



CONTRACT NO. 12-0804

For **BATTERIES, AUTO AND GENERAL USE**

LAKE COUNTY, FLORIDA, a political subdivision of the state of Florida, its successors and assigns through its Board of County Commissioners (hereinafter "County") does hereby accept, with noted modifications, if any, the Bid of **Battery USA, Inc.** (hereinafter "Contractor") to supply **Batteries, Auto and General Use** to the County pursuant to County Proposal Number **12-0804** (hereinafter "ITB"), -closing dated December 21, 2012 and Contractor's December 20, 2012 ITB response thereto with all County ITB provisions governing.

Special Clauses:

Public Records

All electronic files, audio and/or video recordings, and all papers pertaining to any activity performed by the CONTRACTOR for or on behalf of the COUNTY shall be the property of the COUNTY and will be turned over to the COUNTY upon request. In accordance with Chapter 119, Florida Statutes, each file and all papers pertaining to any activities performed for or on behalf of the COUNTY are public records available for inspection by any person even if the file or paper resides in the CONTRACTOR's office or facility. The CONTRACTOR shall maintain the files and papers for not less than three (3) complete calendar years after the project has been completed or terminated, or in accordance with any grant requirements, whichever is longer. Prior to the close out of the Contract, the CONTRACTOR shall appoint a records custodian to handle any records request and provide the custodian's name and telephone number(s) to the COUNTY.

Prohibition against Contingent Fees

The CONTRACTOR warrants that they have not employed or retained any company or person, other than a bona fide employee working solely for the CONTRACTOR to solicit or secure this Contract and that they have not paid or agreed to pay any person, company, corporation, individual, or firm, other than a bona fide employee working solely for the CONTRACTOR, any fee, commission, percentage, gift or other consideration contingent upon or resulting from the award or making of this Contract.

This Contract shall be binding upon and shall inure to the benefit of each of the parties and of their respective successors and permitted assigns.

This Contract may not be amended, released, discharged, rescinded or abandoned, except by a written instrument duly executed by each of the parties hereto.

The failure of any party hereto at any time to enforce any of the provisions of this Contract will in no way constitute or be construed as a waiver of such provision or of any other provision hereof, nor in any way affect the validity of, or the right thereafter to enforce, each and every provision of this Contract.

During the term of this Contract the CONTRACTOR assures the COUNTY that it is in compliance with Title VII of the 1964 Civil Rights Act, as amended, and the Florida Civil Rights Act of 1992, in that the CONTRACTOR does not on the grounds of race, color, national origin, religion, sex, age, disability or marital status, discrimination in any form or manner against the CONTRACTOR employees or applicants for employment. The CONTRACTOR understands and agrees that this Contract is conditioned upon the veracity of this statement of assurance.

A copy of the Contractor's signed Proposal is attached hereto and incorporated herein, thus making it a part of this Contract except that any items not awarded have been struck through. The attachments noted below (if any) are attached hereto and are also made a part of this Contract.

Attachments: N/A

No financial obligation shall accrue against the County until Contractor shall make delivery pursuant to order of the County Procurement Services Director.

The County's Procurement Services Director shall be the sole judge as to the fact of the fulfillment of this Contract, and upon any breach thereof, shall, at his or her option, declare this contract terminated, and for any loss or damage by reason of such breach, whether this Contract is terminated or not, said Contractor and their surety for any required bond shall be liable.

This Contract is effective from **February 8, 2012** through **February 28, 2013** except the County reserves the right to terminate this Contract immediately for cause and/or lack of funds and with thirty (30) day written notice for the convenience of the County. This Contract provides for four (4) one (1) year renewals at Lake County's sole option at the terms noted in the Proposal.

Any and all modifications to this Contract must be in writing signed by the County's Procurement Services Director.

LAKE COUNTY, FLORIDA

By: *Roseann Johnson*
Senior Contracting Officer
Date: *February 8, 2012*

Distribution: Original-Bid File
Copy-Contractor
Copy-Fleet



INVITATION TO BID (ITB)

BATTERIES, AUTO AND GENERAL USE

ITB Number: 12-0804 Contracting Officer: Roseann Johnson
 Bid Due Date: December 21, 2011 Pre-Bid Conf. Date: Not applicable for this ITB
 Bid Due Time: 3:00 pm ITB Issue Date: November 30, 2011

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SPECIFIC SOLICITATION REQUIREMENTS ARE AS NOTED BELOW:

Proposal and/or Performance Bond:	Not applicable for this ITB
Certificate of Competency/License:	Not applicable for this ITB
Indemnification/Insurance:	See Section 1.8
Pre-Bid Conference/Walk-Thru:	Not applicable for this ITB

At the date and time specified above, all bids that have been received in a timely manner will be opened, recorded, and accepted for consideration. The names of the bidders submitting bids will be read aloud and recorded. The bids will be available for inspection during normal business hours in the Office of Procurement Services thirty (30) calendar days after the official bid due date. When countersigned by an authorized County representative, this document and any specifically identified attachments may form the contract document binding the parties to all performance specified herein.

Vendors shall complete and return the entirety of this ITB Document, and attach all other information requested in this ITB document (See Provision 1.13). Failure to sign the bid response, or to submit the bid response by the specified time and date, may be cause for rejection of the bid.

NO-RESPONSE REPLY

If any vendor does not want to respond to this solicitation at this time, or, would like to be removed from Lake County's Vendor List, please mark the appropriate space, complete name below and return this page only.

- ☐ Not interested at this time; keep our firm on Lake County's Vendors List for future solicitations for this product / service
- ☐ Please remove our firm from Lake County's Vendor's List for this product / service.

VENDOR IDENTIFICATION

Company Name: Battery USA Inc. Phone Number: 863-665-6317
 E-mail Address: dboisvert@batteryusa.com Contact Person: James Hawless

Section 1.1: Purpose

The purpose of this solicitation is to establish a contract for the purchase of batteries; automotive and general use in conjunction with the County's and P.O.O.L. participating entities needs.

This is an indefinite quantity term contract with no guarantee services will be required. Neither the County nor any P.O.O.L. participating entity guarantee a minimum or maximum dollar amount (if any) to be expended on any contract(s) resulting from this Invitation to Bid.

P.O.O.L. (Purchasing Offices of Lake) entities that may participate in this action include the Lake County Board of County Commissioners, Lake County Sheriff's Office, Lake County School Board, Lake Emergency Medical Services, Lake County Water Authority, Cities of Clermont, Eustis, Fruitland Park, Groveland, Leesburg, Mascotte, Minneola, Mount Dora, Tavares, Umatilla and the Towns of Astatula, Lady Lake and Montverde.

The Lake County Board of County Commissioners (hereafter "County") is acting as "Solicitation Agent" for the identified entities and shall not be held liable for any cost, damages, etc.; incurred by any entity should they enter into any resultant contracts derived from this bid request. The County has the sole authority to modify the contract.

Other governmental entities, not listed above may purchase under this agreement only with the permission of the County and the contractor.

All P.O.O. L. participating entities identified shall be included in the vendor's proposal. No bid shall be considered unless all P.O.O.L. participating entities are contemplated by the vendor. An award will be made by the County and each organization collectively.

All sales derived from the award of this request shall be made in accordance with the prices, terms, and conditions of this bid request.

Each participating entity will issue its individual order by phone, fax, entity purchasing card, purchase order or contract throughout the contract period as said needs are determined. Each entity will schedule and expedite its own orders and will be billed separately. Each participating entity will receive, inspect, and test bid goods on an individual basis and when non-conforming shipments occur, each entity will initially seek their own remedy with the contractor.

The vendor will deliver products as required by this bid request.

All controversies relating to specifications or other provisions of the bid request and the evaluation of bids or to subsequent contractual matters including failure to comply with deliveries of specified products is the responsibility of the County. Any other controversies with which the County has no control, should not be accountable, or have to resolve, such violation of the contractual conditions, including late payment on the part of other participating entities, shall be resolved with that entity and the vendor.

Section 1.2: Designated Procurement Representative

Questions concerning any portion of this solicitation shall be directed in writing [fax and e-mail accepted] to the below named individual who shall be the official point of contact for this solicitation. Questions should be submitted no later than five (5) working days before the bid opening date.

Roseann Johnson, CPM, CPPB, Senior Contracting Officer
Lake County BCC
Division of Procurement Services
315 W. Main Street, Room 441
PO BOX 7800
Tavares, FL 32778-7800

Phone : 352.343.9839
Fax : 352.343.9473
E-mail: rjohnson@lakecountycler.gov

No answers given in response to questions submitted shall be binding upon this solicitation unless released in writing as an addendum to the solicitation by the Lake County Division of Procurement Services.

Section 1.3: Method of Award in the County's Best Interests

As the best interests of the County may require, the County reserves the right to make award(s) by individual item, group of items, all or none, or a combination thereof; with one or more suppliers; to reject any and all offers or waive any minor irregularity or technicality in bids received.

Section 1.4: Site Visits (Recommended)

Bidders shall thoroughly acquaint itself with the delivery sites noted in this solicitation to fully understand the facilities, difficulties if any and any restrictions for the execution of an awarded contract. No allowances shall be allowed for failure to be so informed. Site visits may be made with the contact person noted for each facility in Section 2, Specifications.

Section 1.5: Term of Contract – Twelve (12) Months

This contract shall commence on the first calendar day of the month succeeding approval of the contract by the Board of County Commissioners, or designee, unless otherwise stipulated in the Notice of Award Letter distributed by the County's Division of Procurement Services; and contingent upon the completion and submittal of all required pre-award documents. The initial contract term shall remain in effect for twelve (12) months, and then the contract will remain in effect until completion of the expressed and/or implied warranty period. The contract prices resultant from this solicitation shall prevail for the full duration of the initial contract term unless otherwise indicated elsewhere in this document.

Section 1.6.: Option to Renew for four (4) Additional Years (With Manufacturers Price Adjustment)

Prior to, or upon completion, of the initial term of the contract, the County shall have the option to renew this contract for an additional four (4) one (1) year period(s). Prior to completion of each exercised contract term, the County will consider adjustment to price based on an applicable Manufacturers Price Increase evidenced by appropriate manufacturer documentation submitted to the County by the vendor in a timely manner.

It is the vendor's responsibility to request any pricing adjustment in writing under this provision. For any adjustment to commence on the first day of any exercised option period, the vendor's written request for adjustment shall be submitted prior to expiration of the then current contract term. The vendor adjustment request must clearly substantiate the requested increase. If no written adjustment request is received from the vendor, the County will assume that the vendor has agreed that the optional term may be exercised without pricing adjustment. Any adjustment request received after the commencement of a new option period shall not be considered.

Continuation of the contract beyond the initial period, and any option subsequently exercised, is a County prerogative, and not a right of the bidder. This prerogative will be exercised only when such continuation is clearly in the best interest of the County.

Section 1.7: Method of Payment -

The vendor(s) shall submit an invoice when replenishing stock or delivering orders to each location. The invoices shall be submitted to the County user department(s) that requested the batteries. The user departments may issue a blanket purchase order or utilize the County PCard program (Visa). The invoices shall reflect batteries provided to the County.

All invoices shall contain the contract and/or purchase order number, date and location of delivery or service, and confirmation of acceptance of the goods or services by the appropriate County representative. Failure to submit invoices in the proscribed manner will delay payment, and the vendor may be considered in default of contract and its contract may be terminated. Payments shall be tendered in accordance with the Florida Prompt Payment Act, Part VII, Chapter 218, Florida Statutes.

Section 1.8: Insurance (Purchase Under \$25,000)

Each vendor shall include in its solicitation response package proof of insurance capabilities, including but not limited to, the following requirements: [This does not mean that the vendor must have the coverage prior to submittal, but, that the coverage must be in effect prior to a purchase order or contract being executed by the County.]

An original certificate of insurance, indicating that the awarded vendor has coverage in accordance with the requirements of this section, shall be furnished by the vendor to the Contracting Officer within five (5) working days of such request and must be received and accepted by the County prior to contract execution and/or before any work begins.

The vendor shall provide and maintain at all times during the term of any contract, without cost or expense to the County, policies of insurance, with a company or companies authorized to do business in the State of Florida, and which are acceptable to the County, insuring the vendor against any and all claims, demands or causes of action whatsoever, for injuries received or damage to property relating to the performance of duties, services and/or obligations of the vendor under the terms and provisions of the contract. The vendor is responsible for timely provision of certificate(s) of insurance to the County at the certificate holder address evidencing conformance with the contract requirements at all times throughout the term of the contract.

Such policies of insurance, and confirming certificates of insurance, shall insure the vendor is in accordance with the following minimum limits:

General Liability insurance on forms no more restrictive than the latest edition of the Occurrence Form Commercial General Liability policy (CG 00 01) of the Insurance Services Office or equivalent without restrictive endorsements, with the following minimum limits and coverage:

Each Occurrence/General Aggregate	\$500,000
Products-Completed Operations	\$500,000
Personal & Adv. Injury	\$500,000
Fire Damage	\$50,000
Medical Expense	\$5,000
Contractual Liability	Included

Automobile liability insurance, including owned, non-owned, and hired autos with the following minimum limits and coverage:

Combined Single Limit	\$300,000
or	
Bodily Injury (per person)	\$100,000
Bodily Injury (per accident)	\$300,000
Property Damage	\$100,000

Workers' compensation insurance based on proper reporting of classification codes and payroll amounts in accordance with Chapter 440, Florida Statutes, and/or any other applicable law requiring workers' compensation (federal, maritime, etc.). If not required by law to maintain workers compensation insurance, the vendor must provide a notarized statement that if he or she is injured; he or she will not hold the County responsible for any payment or compensation.

Employers Liability insurance with the following minimum limits and coverage:

Each Accident	\$100,000
Disease-Each Employee	\$100,000
Disease-Policy Limit	\$500,000

Professional liability and/or specialty insurance (medical malpractice, engineers, architect, consultant, environmental, pollution, errors and omissions, etc.) as applicable, with minimum limits of \$500,000 and annual aggregate of \$1,000,000.

The following additional coverage must be provided if a dollar value is inserted below:

Loss of Use at coverage value: \$ _____
Garage Keepers Liability at coverage value: \$ _____

Lake County, a Political Subdivision of the State of Florida, and the Board of County Commissioners, shall be named as additional insured as their interest may appear on all applicable liability insurance policies.

The certificate(s) of insurance shall provide for a minimum of thirty (30) days prior written notice to the County of any change, cancellation, or nonrenewal of the provided insurance. It is the vendor's specific responsibility to ensure that any such notice is provided within the stated timeframe to the certificate holder.

If it is not possible for the Vendor to certify compliance, on the certificate of insurance, with all of the above requirements, then the Vendor is required to provide a copy of the actual policy endorsement(s) providing the required coverage and notification provisions.

Certificate(s) of insurance shall identify the applicable solicitation (ITB/RFP/RFQ) number in the Description of Operations section of the Certificate.

Certificate holder shall be:

LAKE COUNTY, A POLITICAL SUBDIVISION OF THE STATE OF
FLORIDA, AND THE BOARD OF COUNTY COMMISSIONERS
P.O. BOX 7800
TAVARES, FL 32778-7800

Certificates of insurance shall evidence a waiver of subrogation in favor of the County, that coverage shall be primary and noncontributory, and that each evidenced policy includes a Cross Liability or Severability of Interests provision, with no requirement of premium payment by the County.

The Vendor shall be responsible for subcontractors and their insurance. Subcontractors are to provide certificates of insurance to the prime vendor evidencing coverage and terms in accordance with the Vendor's requirements.

All self-insured retentions shall appear on the certificate(s) and shall be subject to approval by the County. At the option of the County, the insurer shall reduce or eliminate such self-insured retentions or the vendor or subcontractor shall be required to procure a bond guaranteeing payment of losses and related claims expenses.

The County shall be exempt from, and in no way liable for, any sums of money, which may represent a deductible or self-insured retention in any insurance policy. The payment of such deductible or self-insured retention shall be the sole responsibility of the vendor and/or sub contractor providing such insurance.

Failure to obtain and maintain such insurance as set out above will be considered a breach of contract and may result in termination of the contract for default.

Neither approval by the County of any insurance supplied by the vendor or Subcontractor(s), nor a failure to disapprove that insurance, shall relieve the vendor or Subcontractor(s) of full responsibility for liability, damages, and accidents as set forth herein.

Note: The selected vendor(s) shall provide a separate Certificate of Insurance that complies with the requirements stated above to each participating entity citing that entity as a certificate holder.

Section 1.9: Offer Guaranty/ Bid Bond for a Specific Amount

Not applicable for this ITB.

Section 1.10: Shipping Terms, F.O.B. Destination- Inside Delivery

The F.O.B. point for any product ordered as a result of this solicitation shall be **F.O.B.: DESTINATION – INSIDE DELIVERY**. The title for each item will pass from the contractor to the County only after the County receives AND accepts each item. Delivery will not be complete until the County has accepted each item. Delivery to a common carrier shall not constitute delivery to the County. Any transportation dispute shall be between the contractor and the carrier. The County will not consider any bid or proposal showing a F.O.B. point other than F.O.B.: Destination – Inside Delivery.

Section 1.11: Acceptance of Products or Services

The product(s) delivered as a result of an award from this solicitation shall remain the property of the contractor, and services rendered under the contract will not be deemed complete, until a physical inspection and actual usage of the product(s) and/or service(s) is (are) accepted by the County and shall be in compliance with the terms herein, fully in accord with the specifications and of the highest quality.

Any product(s) and/or service(s) procured as a result of this solicitation may be tested for compliance with specifications. In the event that the product and/or service is found to be defective or does not conform to the specifications, the County reserves the right to terminate the contract and return product to the vendor at the vendor's expense. The County will not be responsible to pay for any product or service that does not conform to the contract specifications.

Any defective product or service or any product or service not delivered or performed by the date specified in the purchase order or contract, may be procured by the County on the open market, and any increase in cost may be charged against the awarded contractor. Any cost incurred by the County in any re-procurement plus any increased product or service cost shall be withheld from any monies owed to the contractor by the County for any contract or financial obligation.

Section 1.12: Warranty

The vendor agrees that, unless expressly stated otherwise in the bid or proposal, the product and/or service furnished as a result of an award from this solicitation shall be covered by the most favorable commercial warranty the vendor gives to any customer for comparable quantities of products and/or services and the rights and remedies provided herein are in addition to said warranty and do not limit any right afforded to the County by any other provision of this solicitation.

Section 1.13.1: Delivery of Solicitation Response

Unless a package is delivered by the vendor in person, all incoming mail from the U.S. Postal Service and any package delivered by a third party delivery organization (Fed-X, UPS, DHL, private courier, etc.) will be opened for security and contamination inspection by the Lake County Clerk of the Circuit Court Mail Receiving Center in an off-site secure controlled facility prior to delivery to any Lake County Government facility, which includes the Lake County Department of Procurement Services.

To be considered for award, a bid or proposal must be received and accepted in the Procurement Services Office prior to the date and time established within the solicitation. Allow sufficient time for transportation and inspection.

Each package shall be clearly marked with the applicable solicitation number and title. Ensure that your bid or proposal is securely sealed in an opaque envelope/ package to provide confidentiality of the bid or proposal prior to the solicitation closing.

If you plan on submitting your bid or proposal **IN PERSON**, please bring it to:

LAKE COUNTY PROCUREMENT SERVICES
315 W. MAIN STREET
4TH FLOOR, ROOM 441
TAVARES, FLORIDA

If you submit your bid or proposal by the **UNITED STATES POSTAL SERVICE, (USPS)** please mail it to:

LAKE COUNTY PROCUREMENT SERVICES
PO BOX 7800
TAVARES, FL 32778-7800

If you submit your bid or proposal by a **THIRD PARTY CARRIER** such as Fed-X, UPS, or a private courier, please send it to:

LAKE COUNTY PROCUREMENT SERVICES
MAIL RECEIVING CENTER
32400 COUNTY ROAD 473
LEESBURG, FL 34788

Facsimile (fax) or electronic submissions (e-mail) will not be accepted.

Section 1.13.2: Completion Requirements for Invitation to Bid

The original bid and three (3) complete copies of the bid submitted by the vendor shall be sealed and delivered to the Division of Procurement Services no later than the official bid opening date and time. Any bid received after this time will not be considered and will be returned unopened to the submitter. The County is not liable or responsible for any costs incurred by any Bidder in responding to this ITB including, without limitation, costs for product and/or service demonstrations if requested.

When you submit your bid, you are making a binding offer to the County and are agreeing to all of the terms and conditions in this Invitation to Bid. Use only the form(s) provided in this document. If you make any change to the content or format of any form, the County may disqualify your offer. All information shall be legible and either written in ink or typewritten/printed. If you make a correction or change on any document, the person signing the bid proposal must initial the change. The bid shall be manually signed in **BLUE INK** by an official authorized to legally bind the Bidder to its provisions.

COMPLETION OF BID PACKAGE: The vendor shall complete all required entries in Section 4 of the bid form such as, but not limited to, pricing pages, signature, certifications, references, and acknowledgement of any solicitation addenda. The vendor shall submit the entire solicitation with all Section 4 entries completed in the number of copies specified to the address specified in provision 1.13.1 of this solicitation. The vendor shall also submit any supporting documents (to include proof of insurability and provision of bid bonds as required), samples, and/or descriptive literature required by any of the provisions in Section 1 of the solicitation in a separate sealed envelope / package marked "Literature for Bid (12-0804)." Do not indicate bid prices on literature.

Specific Completion Directions:

- Pricing shall be completed by filling in the unit price, extension price and total overall bid pricing.
- Initial and date in **BLUE INK** the appropriate space(s) for each addendum you received for this ITB.
- Insert any prompt payment discount that you will offer. Note payment is NET 30 DAYS otherwise.
- Complete all certifications included within Section 4 of the solicitation.
- Complete the reference information sheets (include at least three references) contained within the solicitation.
- Complete the vendor information, and sign the bid (IN BLUE INK) in the spaces provided in Section 4 of the solicitation.
- If insurance is required, submit either a certificate of insurance, or evidence of insurability, that is in compliance with the stated insurance requirements.

Section 1.14: Additional Facilities May Be Added

Although this solicitation and resultant contract identifies specific facilities to be serviced, it is hereby agreed and understood that any County department or agency facility may be added to this contract at the option of the County. When required by the pricing structure of the contract, vendor(s) under this contract shall be invited to submit price quotes for these additional facilities. If these quotes are determined to be fair and reasonable, then the additional work will be awarded to the current contract vendor(s) that offers the lowest acceptable pricing. The additional site(s) shall be added to this contract by formal modification.

The County may determine to obtain price quotes for the additional facilities from other vendors in the event that fair and reasonable pricing is not obtained from the current contract vendors, or for other reasons at the County's discretion.

Section 1.15: Additional Brands May Be Added

Although this solicitation and resultant contract identifies specific brands to be purchased, it is hereby understood and agreed that additional brands for the same basic item may be added to this contract at the option of the County. If the pricing proposed by the vendor for the additional brands is considered to be fair and reasonable, then award may be made to the vendor through the issuance of a modification to the contract.

The incumbent vendor(s) has/have no exclusive right to provide these additional brand(s). The County may determine to obtain similarly structured pricing inputs from other vendors in response to situations where incumbent vendors do not provide for fair and reasonable pricing or for other reasons at the County's sole discretion.

Section 1.16: Catalogs and Price Lists shall be submitted with Offer

The vendor shall submit three (3) copies of the current manufacturer's price list(s) and catalog(s) with the initial offer. Failure to meet this requirement may result in your offer being rejected. These documents shall be in effect at the commencement of the contract and shall remain in effect for the life of the contract; unless price escalations are specifically allowable in accordance with this contract. Discounts offered will be evaluated against these price lists and catalogs in order to determine the vendor to whom award may be made pursuant to Section 1.3 herein entitled "Method of Award".

Upon request, the vendor shall provide additional sets of the manufacturer's product catalogs and price lists at no additional cost to the County.

Section 1.17: Competency of Vendors and Associated Subcontractors

The County may elect to conduct a pre-award inspection of the vendor's facility during the offer evaluation process. Offers will be considered only from firms which are regularly engaged in the business of providing or distributing the goods and/or performing the services as described in the solicitation, and who can produce evidence of a consistent satisfactory record of performance. Vendors must demonstrate that they have sufficient financial support and organization to ensure

that they can satisfactorily execute the contract if awarded under the terms and conditions herein stated. In the event that the vendor intends to sub-contract any part of its work to another vendor, or will obtain the goods specifically offered under this contract from another source of supply; the vendor may be required to verify the competency of its sub-contractor or supplier. The County reserves the right, before awarding the contract, to require a vendor to submit such evidence of its qualifications and the qualifications of its sub-contractor as it may deem necessary. The County may consider any evidence available to it of the financial, technical and other qualifications and abilities of any vendor responding hereunder, including past performance with the County, in determining vendor responsibility for the purposes of selecting a vendor for contract award.

Section 1.18: Deletion of Facilities

Although this solicitation identifies specific facilities to be serviced, it is hereby agreed and understood that any County department or agency may delete service for any facility (ies) when such service is no longer required during the contract period upon fourteen (14) calendar day's written notice to the vendor.

Section 1.19: Emergency Service

The vendor shall provide 24 hours, 7 days a week emergency service to the County under the contract if services are required during a declared disaster/emergency incident or event.

Section 1.20: "Equal" Product can be considered Upon Receipt of Specified Data

The manufacturer's name, brand name and/or model number information contained in this solicitation are being used for the sole purpose of establishing the minimum requirement of level of quality, standard of performance, and design and is in no way intended to prohibit the offer of another manufacturer's items of equal material unless otherwise indicated elsewhere in this solicitation.

This specific solicitation requires submission of the following documentation to enable County evaluation of "equal" products:

- _____ : Product Information Sheets
- _____ : Product Samples upon Specific Request
- _____ : Product labels
- _____ : Performance Test Results

If an "equal" product may be considered by the County in accordance with this solicitation, the unit shall be equal in quality and standards of performance to the item specified in the solicitation. Where an "or equal" item is offered, and product information sheets are required, the initial offer must be accompanied with three (3) complete sets of product information sheets (such as factory specifications, standard manufacturer information sheets, catalogues, and brochures), and if required, three (3) copies of performance test results of the unit offered as an equal. Also for product information submittals, all supporting documentation submitted by the vendor must in total meet the required specifications set forth in this solicitation. Where the

standard product literature submitted with the offer provides information that does not comply with the specifications, the vendor shall state, in an official letter on corporate letterhead as part of their initial offer, the differences between the item they are specifically offering, and the equipment described by the standard product literature, to substantiate compliance to all of the specifications set forth in this solicitation. In such cases, any offer submitted with standard product literature but without the letter explaining compliance will result in the rejection of the offer for not meeting the solicitation specifications.

For "equal" products to be evaluated based on submission of product labels, the initial offer should be accompanied with labels indicating the specification for each "or equal" item offered. Failure to meet this requirement may result in your offer being rejected.

The County shall be sole judge of equality, based on the best interests of the County, and its decision in this regard shall be final. Items labeled "No Substitute" on the County's Bid/Proposal Submission Form are the only products that will be accepted under this solicitation.

Section 1.21: Licenses, Permits and Fees

The vendor shall obtain and pay for all licenses, permits and inspection fees required for this project; and shall comply with all laws, ordinances, and regulations applicable to the work contemplated herein. Damages, penalties and/or fines imposed on the County or the vendor for failure to obtain required licenses, permits, inspection fees, or inspections shall be borne by the vendor.

Section 1.22: Material Safety Data Sheet (MSDS)

It is a vendor responsibility to ensure that the County has received the latest version of any MSDS required by 29 CFR 1910.1200 with the first shipment of any hazardous material. Also, at any time the content of an MSDS is revised, the vendor shall promptly provide a new MSDS to the County with the new information relevant to the specific material.

Section 1.23: Omission from the Specifications

The apparent silence of this specification and any addendum regarding any details or the omission from the specification of a detailed description concerning any point shall be regarded as meaning that only the best commercial practices are to prevail, and that only materials and workmanship of first quality are to be used. All interpretations of this specification shall be made upon the basis of this agreement.

Section 1.24: Patents and Royalties

A. The Vendor, without exception, shall indemnify and hold harmless the County, its employees and officers from liability of any nature or kind, including cost and expenses for or on account of any copyrighted, patented, or un-patented invention, process or article provided by the Vendor. The Vendor has no liability when such claim is solely and exclusively due to the combination, operation, or use of any article supplied hereunder with equipment or data not supplied by the Vendor or is based solely and exclusively upon the County's alteration of the

article. The County will provide prompt written notification of a claim of copyright or patent infringement.

B. Further, if such a claim is made or is pending, the Vendor may, at its options and expenses, procure for the County the right to continue use of, replace or modify the article to render it non-infringing. (If none of the alternatives are reasonably available, the County agrees to return the article on request to the Vendor and receive full reimbursement of all monies paid to the Vendor). If the Vendor uses any design, device, or materials covered by letters, patent or copyright, it is mutually agreed and understood without exception that the bid proposal price(s) include all royalties and/or costs arising from the use of such design, device or materials in any way involved in the work.

C. The Vendor will defend, at its own expense, any action brought against the County to the extent that it is based on a claim that the article supplied by the Vendor under the contract infringes a patent, industrial design, or any other similar right, and the Vendor will pay any costs and damages finally awarded against the County in any such action, where they are attributable to any such claim, but such defense and payments are conditional on the following:

- the Vendor will be notified promptly in writing by the County of any notice of such claim received by the County, and
- the Vendor will have the sole control of the defense of any action or such claims, and all negotiations for its settlement or compromise.

Section 1.25: Rebates and Special Promotions

All rebates and special promotions offered by a manufacturer during the term of the contract shall be passed on by the vendor(s) to the County. It shall be the responsibility of the vendor to notify the County of such rebates and/or special promotions during the contract period.

Special promotions shall be offered by the vendor(s) to the County provided that the new price charged for the item(s) is lower than would otherwise be available through the contract. It is understood that these special promotions may be of a limited duration. At the end of such promotion, the standard contract price shall prevail.

Section 1.26: Shelf Life of Stock

The vendor(s) shall supply the County with fresh stock only and shall insure that items with a limited shelf life are inspected and certified fresh by the vendor prior to shipment to the County.

Section 1.27: Substitution of Items During Term of Contract

Substitute brands or models may be considered during the contract period for discontinued models. The vendor shall not deliver any substitute item as a replacement to an awarded brand or model without express written consent of the Department of Procurement Services prior to such delivery. Substitute items must be of equal or better quality than the awarded item. Substitutes shall be considered only when necessary. Excessive substitution requests may be cause to cancel the contract.

Section 1.28: Administrative Reports

Consistent with the administrative needs of the County, certain relevant data regarding purchases of goods and/or services under County contracts is to be gathered and maintained. Accordingly, each vendor under this contract is to provide report(s) on a quarterly basis to the County as to the nature of the goods and/or services purchased from them by the County during the preceding three months. Each report shall include the quantity, description and unit price(s) of the goods and/or services.

The report(s) is to be submitted in writing or electronic copy to:

Lake County Fleet Management

Attn: Nikki Wright

20415 Independence Boulevard

Groveland, FL 34736

Email: nwright@lakecountyfl.gov

Phone: 352.742.3633

Fax: 352.429.0206

Each report shall be submitted no later than fifteen (15) calendar days after the expiration of the quarter. The Quarters are October – December, January – March, April – June, and July – September. Failure to comply with this reporting requirement may be considered a breach of performance and subject to formal proceedings in that regard.

Note: The County will distribute these reports to the participating entities.

SCOPE OF SERVICES

This is an indefinite quantity contract with no guarantee services will be required. The County does not guarantee a minimum or maximum dollar amount to be expended on any contract(s) resulting from this Invitation to Bid.

The intent of this bid request is to obtain pricing for the purchase and delivery of batteries, automotive and general use, to various locations within the County. **All batteries bid and supplied shall be the bidder's premium quality lines.**

Evidence that batteries meet the "Battery Council International Code" for construction of outside case plates, electrolytes, and testing requirements and conditions shall be provided with your bid.

Technical literature shall be submitted with your bid to allow an evaluation to determine if the products meet or exceed specifications. All evidence must be numbered and marked in accordance with the item number specified on the bid sheet.

Automotive batteries, upon request of an ordering department, shall be placed on consignment at designated County locations. The awarded Vendor will invoice the using department as batteries are put into service. The invoiced prices will be those in effect at the time the batteries are placed in service.

All batteries supplied to Lake County must be clearly identifiable as to the original manufacturer by means of the manufacture's trademark label affixed to the battery. Any batteries delivered by the Vendor without proper identification will not be accepted and shall be returned at the expense of the Vendor. Secondary labels are acceptable as long as they do not replace the original manufacturer label (i.e. XYZ Co. label).

Wet batteries shall be fully charged and ready for service. **Wet batteries held in County consigned stock at designated County locations over three (3) months shall be replaced with new, fully charged batteries, free of expense to the County.**

All automotive batteries shall carry a sixty (60) month warranty, the first (6) months being a free replacement warranty covering defective materials and workmanship. Adjustment of batteries which fail after the first six (6) months shall be adjusted as determined by the warranty period on a cost per month basis. Final adjustment shall be not less than the stated salvage price. Adjustments shall be completed within thirty (30) days of receipt of the returned battery.

All Vendor s shall insure lawful and proper lead acid battery reclamation and/or disposal and must supply their EPA certificate number in order to prevent possible liability to Lake County in whole or part.

Credit for cores will be given to Lake County at fair market value.

Deliveries shall be made within four (4) working days on standard orders for stock. Deliveries for emergency orders shall be within two (2) working hours for Vendors within Lake County and within eight (8) hours for Vendors outside Lake County. Orders shall be so identified upon

placement by participating offices. Deliveries shall be made to each location as indicated on each order. The vendor shall only be authorized to deliver batteries between the hours of 8:00 am and 5:00 pm Monday through Friday unless otherwise mutually agreed upon by both parties. No deliveries will be accepted on Saturdays, Sundays or County holidays.

Delivery site locations:

Public Works
Solid Waste Division
28215 County Landfill Rd
Tavares, FL 32778
Contact: Mike TerMeer @ 352.343.3776

Public Works
Mosquito Management Division
401 S Bloxham Ave
Tavares, FL 32778
Contact: Rick Frantz @ 352.343.9419

Facilities Maintenance
32400 CR 473
Leesburg, FL 34748
Contact: Don Glessner @ 352.343.9760

Facilities Jail Maintenance
550 W Main St
Tavares, FL 32778
Contact Joe Harris @ 352.742.4002

Fleet Management-Leesburg Garage
2300 W Griffin Road
Leesburg, FL 34748
Contact: Bill Nicodem @ 352.787.2938

Fleet Management-Astatula Garage
25028 Kirkwood Ave
Astatula, FL 34705
Contact: James Green @ 352.742.2272

A new consolidated Fleet Garage is under construction off Highway 27 in Groveland, Florida (Fleet Management, 20415 Independence Boulevard) at the Christopher Ford Industrial Park and upon completion, the above noted facilities may be moved to that location. The County has no estimated time for completion at this time.

3.1 DEFINITIONS

Addenda: A written change to a solicitation.

Bid: Shall refer to any offer(s) submitted in response to this Invitation to Bid.

Bidder: Shall refer to anyone submitting a bid in response to an Invitation to Bid.

Contract: The agreement to perform the services set forth in this solicitation. The contract will be comprised of the solicitation document signed by both parties with any addenda and other attachments specifically incorporated.

Contractor: The vendor to which award has been made.

County: Shall refer to Lake County, Florida.

Invitation to Bid (ITB): Shall mean this solicitation document, including any and all addenda. An ITB contains well-defined terms, conditions, and specifications, and is awarded to the lowest priced responsive and responsible bidder.

Modification: A written change to a contract.

Responsible: Refers to a bidder that has the capacity and capability to perform the work required under an Invitation to Bid, and is otherwise eligible for award.

Responsive: Refers to a bidder that has taken no exception or deviation from the terms, conditions, and specifications set forth in an Invitation to Bid.

Solicitation: The written document requesting either bids or proposals from the marketplace.

Vendor: A general reference to any entity responding to this solicitation or performing under any resulting contract.

The County has established that the words "shall", "must", or "will" are equivalent within this ITB and indicate a mandatory requirement which shall not be waived by the County.

3.2 INSTRUCTIONS TO BIDDERS**A. Bidder Qualification**

It is the policy of the County to encourage full and open competition among all available qualified vendors. All vendors regularly engaged in the type of work specified in the solicitation are encouraged to submit bids. To be recommended for award the County requires that vendors provide evidence of compliance with the requirements below upon request:

1. Disclosure of Employment
2. Disclosure of Ownership
3. Drug-Free Workplace
4. W-9 and 8109 Forms – The vendor must furnish these forms upon request as required by the Internal Revenue Service.
5. Social Security Number – The vendor must provide a copy of the primary owner's social security card if the social security number is being used in lieu of the Federal Identification Number (F.E.I.N.)
6. Americans with Disabilities Act (A.D.A.)
7. Conflict of Interest
8. Debarment Disclosure Affidavit
9. Nondiscrimination
10. Family Leave
11. Antitrust Laws – By acceptance of any contract, the vendor agrees to comply with all applicable antitrust laws.

B. Public Entity Crimes

Pursuant to Section 287.133(2)(a) of the Florida Statutes, a person or affiliate who has been placed on the convicted vendor list following a conviction for a public entity crime may not submit a bid on a contract to provide any goods or services to a public entity, may not submit a bid on a contract with a public entity for the construction or repair of a public building or public work, may not submit bids on leases of real property to a public entity, may not be awarded or perform as a contractor, supplier, subcontractor, or consultant under a contract with any public entity, and may not transact business with any public entity in excess of the threshold amount provided in Section 287.017 of the Florida Statutes, for CATEGORY TWO for a period of 36 months from the date of being placed on the convicted vendor list.

C. Request for Additional Information

Any communication or inquiries, except for clarification of process or procedure already contained in the solicitation, are to be made in

writing to the attention of the procurement representative identified in the solicitation no later than five (5) working days prior to the bid due date. Such inquiries shall contain the requester's name, address, and telephone number. The Procurement Services Office may issue an addendum in response to any inquiry received, prior to bid opening, which changes, adds to, or clarifies the terms, provisions, or requirements of the solicitation. The bidder should not rely on any statement or explanation whether written or verbal, other than those made in this solicitation document or in any addenda issued. Where there appears to be a conflict between this solicitation and any addenda, the last addendum issued shall prevail. It is the bidder's responsibility to ensure receipt and to acknowledge all addenda and any accompanying documentation. Failure to acknowledge each addendum may prevent the bid from being considered for award.

D. Contents of Solicitation and Bidders' Responsibilities

It is the responsibility of the bidder to become thoroughly familiar with the requirements, terms, and conditions of this solicitation. Stated unawareness of contractual terms and conditions will not be accepted as a basis for varying the requirements of the County or the amount to be paid to the vendor.

E. Restricted Discussions

From the date of issuance of this solicitation until final County action, vendors should not discuss the solicitation with any employee, agent, or any other representative of the County except as authorized by the designated procurement representative. The only communications that shall be considered pertinent to this solicitation are written documents from the vendor addressed to the designated procurement representative and relevant documents promulgated by the designated procurement representative.

F. Change to, Withdrawal of, or Mistake in, Bid

Changes to Bid - Prior to bid opening, a bidder may change its bid by submitting a new bid with notice on the firm's letterhead, signed by an authorized agent, stating that the new submittal replaces the original submittal. The new submittal shall contain all information as required for submitting the original bid.

Withdrawal of Bid - A bid may be withdrawn, either physically or by written notice, at any time prior to the bid due date. If withdrawn by written notice, that notice must be addressed to, and received by, the designated procurement representative prior to the bid due date and time. A bid may also be withdrawn after expiration of the specified bid acceptance period, and prior to award, by submitting a letter to the designated procurement representative. The withdrawal letter must be on company letterhead and signed by an authorized agent of the bidder.

Mistake in Bid - Any allegation of mistake in Bid shall be treated on a case-by-case basis. It is to be assumed that any alteration in bid price after receipt of bids will be exceptional in nature, and will be allowed only when substantiated by current legal precedence.

G. Conflicts within the Solicitation

Where there appears to be a conflict between contractual terms and conditions, the technical specifications, the pricing section, or any addendum issued, the order of precedence shall be: last addendum issued, the pricing section, the technical specifications, the special, and then general conditions. It is incumbent upon the vendor to identify such conflicts prior to the bid response date.

H. Prompt Payment Terms

It is the policy of the County that payment for all purchases by County agencies shall be made in a timely manner and that interest payments will be made on late payments in accordance with Part VII, Chapter 218, Florida Statutes, known as the Florida Prompt Payment Act. The bidder may offer cash discounts for prompt payments; however, such discounts will not be considered in determining the lowest price during bid evaluation. Bidders are requested to provide prompt payment terms in the space provided on the signature page of the solicitation.

3.3 PREPARATION OF BIDS

- A. The Pricing Section of this solicitation defines the goods or services to be purchased, and must be completed and submitted with the bid. Use of any other form or alteration of

the form may result in the rejection of the bid.

- B. The bid submitted must be legible, and completed using typewriter, computer or ink. Any entry change must be crossed out and initialed in ink. Failure to comply with these requirements may cause the bid to be rejected.
- C. An authorized agent of the bidder's firm must sign the bid. **FAILURE TO SIGN THE BID MAY RENDER THE BID NON-RESPONSIVE.**
- D. The bidder may be considered non-responsive if bids are conditioned to modifications, changes, or revisions to the terms and conditions of this solicitation.
- E. The bidder may submit alternate bid(s) for the same solicitation provided that such offer is allowable under the terms and conditions. The alternate bid must meet or exceed the minimum requirements and be submitted as a separate bid marked "Alternate Bid".
- F. When there is a discrepancy between the unit prices and any extended prices, the unit prices will prevail.
- G. Any bid received after the stipulated bid due date and time through no fault of the County will be considered late, and except under the most exceptional circumstances, not be considered for award.
- H. Unless otherwise specified in the solicitation, prices quoted shall be F.O.B. Destination.

3.4 COLLUSION

Where two (2) or more related parties, as defined herein, each submit a bid for the same contract, or evidence any prior understanding, agreement, or connection in such regard, such bids shall be presumed to be collusive. Related parties shall mean bidder or principals thereof that have a direct or indirect ownership interest in another bidder for the same contract or in which a parent company or the principals thereof of one bidder have a direct or indirect ownership interest in another bidder for the same contract. Bids found to be collusive shall be rejected. Bidders which have been found to have engaged in collusion may be considered non-responsive, and may be suspended or debarred. Any contract resulting from collusive bidding may be terminated for default.

3.5 PROHIBITION AGAINST CONTINGENT FEES

The vendor warrants that they have not employed or retained any company or person, other than a bona fide employee working solely for the vendor to solicit or secure the contract and that they have not paid or agreed to pay any person, company, corporation, individual, or firm, other than a bona fide employee working solely for the vendor, any consideration contingent upon or resulting from the award or making of the contract.

3.6 CONTRACTING WITH COUNTY EMPLOYEES

Any County employee or member of his or her immediate family seeking to contract with the County shall seek a conflict of interest opinion from the County Attorney prior to submittal of a response to contract with the County. The affected employee shall disclose the employee's assigned function within the County and interest or the interest of his or her immediate family in the proposed contract and the nature of the intended contract.

3.7 INCURRED EXPENSES

This solicitation does not commit the County to award nor be responsible for any cost or expense which may be incurred by any bidder in preparing or submitting a bid, or any cost or expense incurred prior to the execution of a purchase order or contract.

3.8 COUNTY IS TAX-EXEMPT

The County is generally exempt from Federal Excise Taxes and all State of Florida sales and use taxes. The County will sign an exemption certificate if submitted by the contractor. Contractors doing business with the County are not exempt from paying sales tax to their suppliers for materials to fulfill contractual obligations with the County, nor shall any contractor be authorized to use any of the County's Tax Exemptions in securing such materials.

3.9 PROPRIETARY/CONFIDENTIAL INFORMATION

Bidders are hereby notified that all information submitted as part of a bid will be available for public inspection in compliance with Chapter 119 of the Florida Statutes (the "Public Record Act."). The bidder should not submit any information which the bidder considers proprietary or confidential. The submission of any information to the County in connection with any solicitation shall be deemed conclusively to be a waiver of any protection from release of the submitted information unless such information is exempt or confidential under the Public Records Act.

3.10 CANCELLATION OF SOLICITATION

The County reserves the right to cancel, in whole or in part, any Invitation to Bid when it is in the best interest of the County.

3.11 AWARD

- A. Unless otherwise allowed by statute or ordinance, award will be made to the lowest priced responsive and responsible bidder. The County reserves the right to reject any and all bids, to waive non-material irregularities or technicalities and to re-advertise for all or any part of this solicitation as deemed in its best interest. The County shall be the sole judge of its best interest.
- B. When there are multiple line items in a solicitation, the County reserves the right to award on an individual item basis, any combination of items, total low bid or in whichever manner deemed in the best interest of the County. This provision specifically supersedes any method of award criteria stated in the solicitation when such action is clearly necessary to protect the best interests of the County.
- C. The County reserves the right to reject any and all bids if it is determined that prices are excessive or determined to be unreasonable, or it is otherwise determined to be in the County's best interest to do so.
- D. The County reserves the right to negotiate prices with the low bidder, provided that the scope of work is not amended.
- E. Award will only be made to firms that satisfy all legal requirements to do business with the County. The County may conduct a pre-award inspection of the bidder's site or conduct a pre-award qualification meeting to determine the responsibility and capacity of the bidder to perform. Award may be predicated on compliance with and submittal of all required documents as stipulated in the solicitation.
- F. The bidder's performance as prime or subcontractor on previous County contracts shall be taken into account in evaluating the responsibility of a responding bidder.
- G. The Director of Procurement Services will decide all tie bids in consonance with current written procedure in that regard.
- H. A vendor wishing to protest any award decision resulting from this solicitation shall do as provided for in the County's Purchasing Procedure Manual.

3.12 GENERAL CONTRACT CONDITIONS

The contract shall be binding upon and shall inure to the benefit of each of the parties and of their respective successors and permitted assigns. The contract may not be amended, released, discharged, rescinded or abandoned, except by a written instrument duly executed by each of the parties hereto. The failure of any party hereto at any time to enforce any of the provisions of the contract will in no way constitute or be construed as a waiver of such provision or of any other provision hereof, nor in any way affect the validity of, or the right thereafter to enforce, each and every provision of the contract. Any dispute arising during the course of contract performance that is not readily rectified by coordination between the vendor and the County user department shall be referred to Procurement Services office for resolution.

3.13 OTHER AGENCIES

With the consent of the vendor, other agencies may make purchases in accordance with the contract. Such purchases shall be

governed by the same terms and conditions as stated herein with the exception of the change in agency name.

3.14 CONTRACT EXTENSION

The County has the unilateral option to extend a contract for up to ninety (90) calendar days beyond the current contract period. In such event, the County will notify the vendor(s) in writing of such extensions. The contract may be extended beyond the initial ninety (90) day extension upon mutual agreement between the County and the vendor(s). Exercise of the above options requires the prior approval of the Director of Procurement Services.

3.15 WARRANTY

All warranties express and implied, shall be made available to the County for goods and services covered by this solicitation. All goods furnished shall be fully guaranteed by the vendor against factory defects and workmanship. At no expense to the County, the vendor shall correct any and all apparent and latent defects that may occur within the manufacturer's standard warranty period. The special conditions of the solicitation may supersede the manufacturer's standard warranty.

3.16 ESTIMATED QUANTITIES

Estimated quantities or dollars are for bidder's guidance only. No guarantee is expressed or implied as to quantities or dollar value that will be used during the contract period. The County is not obligated to place any order for a given amount subsequent to the award of this solicitation. The County may use estimated quantities in the award evaluation process. Estimated quantities do not contemplate or include possible additional quantities that may be ordered by other entities that may utilize this contract. In no event shall the County be liable for payments in excess of the amount due for quantities of goods or services actually ordered.

3.17 NON-EXCLUSIVITY

It is the intent of the County to enter into an agreement that will satisfy its needs as described within this solicitation. However, the County reserves the right to perform, or cause to be performed, all or any of the work and services herein described in the manner deemed to represent its best interests. In no case will the County be liable for billings in excess of the quantity of goods or services actually provided under this contract.

3.18 CONTINUATION OF WORK

Any work that commences prior to, and will extend, beyond the expiration date of the current contract period shall, unless terminated by mutual written agreement between the County and the vendor, continue until completion without change to the then current prices, terms and conditions.

3.19 LAWS, RULES, REGULATIONS AND LICENSES

The vendor shall comply with all federal, state, and local laws and regulations applicable to provision of the goods and/or services specified in this solicitation. During the term of the contract the vendor assures that it is in compliance with Title VII of the 1964 Civil Rights Act, as amended, and the Florida Civil Rights Act of 1992, in that the vendor does not on the grounds of race, color, national origin, religion, sex, age, disability or marital status, discrimination in any form or manner against the end/or employees or applicants for employment. The vendor understands that any contract is conditioned upon the veracity of this statement.

3.20 SUBCONTRACTING

Unless otherwise stipulated herein, the vendor shall not subcontract any portion of the work without the prior written consent of the County. Subcontracting without the prior consent of the County may result in termination of the contract for default.

3.21 ASSIGNMENT

The vendor shall not assign or transfer any contract resulting from this solicitation, including any rights, title or interest therein, or its

power to execute such contract to any person, company or corporation without the prior written consent of the County. This provision specifically includes any acquisition or hostile takeover of the awarded vendor. Failure to comply in this regards may result in termination of the contract for default.

3.22 RESPONSIBILITIES AS EMPLOYER

The employee(s) of the vendor shall be considered at all times its employee(s), and not an employee(s) or agent(s) of the County. The contractor shall provide employee(s) capable of performing the work as required. The County may require the contractor to remove any employee it deems unacceptable. All employees of the contractor may be required to wear appropriate identification.

3.23 INDEMNIFICATION

To the extent permitted by law, the vendor shall indemnify and hold harmless the County and its officers, employees, agents and instrumentalities from any and all liability, losses or damages, including attorney's fees and costs of defense, which the County or its officers, employees, agents or instrumentalities may incur as a result of claims, demands, suits, causes of actions or proceedings of any kind or nature arising out of, relating to or resulting from the performance of the agreement by the vendor or its employees, agents, servants, partners, principals or subcontractors. The vendor shall pay all claims and losses in connection therewith, and shall investigate and defend all claims, suits or actions of any kind or nature in the name of the County, where applicable, including appellate proceedings, and shall pay all costs, judgments, and attorney's fees which may be incurred thereon. The vendor expressly understands and agrees that any insurance protection required by this Agreement or otherwise provided by the vendor shall in no way limit the responsibility to indemnify, keep and save harmless and defend the County or its officers, employees, agents and instrumentalities as herein provided.

3.24 MODIFICATION OF CONTRACT

Any contract resulting from this solicitation may be modified by mutual consent of duly authorized parties, in writing through the issuance of a modification to the contract and/or purchase order as appropriate. This presumes the modification itself is in compliance with all applicable County procedures.

3.25 TERMINATION FOR CONVENIENCE

The County, at its sole discretion, reserves the right to terminate this contract upon thirty (30) days written notice. Upon receipt of such notice, the vendor shall not incur any additional costs under this contract. The County shall be liable only for reasonable costs incurred by the vendor prior to notice of termination. The County shall be the sole judge of "reasonable costs."

3.26 TERMINATION DUE TO UNAVAILABILITY OF CONTINUING FUNDING

When funds are not appropriated or otherwise made available to support continuation of performance in a current or subsequent fiscal year, the contract shall be cancelled and the vendor shall be reimbursed for the reasonable value of any non-recurring costs incurred amortized in the price of the supplies or services/tasks delivered under the contract.

3.27 TERMINATION FOR DEFAULT

The County reserves the right to terminate this contract, in part or in whole, or effect other appropriate remedy in the event the vendor fails to perform in accordance with the terms and conditions stated herein. The County further reserves the right to suspend or debar the vendor in accordance with the County ordinances, resolutions and/or administrative orders. The vendor will be notified by letter of the County's intent to terminate. In the event of termination for default, the County may procure the required goods and/or services from any source and use any method deemed in its best interest. All re-procurement cost shall be borne by the vendor.

3.28 FRAUD AND MISREPRESENTATION

Any individual, corporation or other entity that attempts to meet its contractual obligations through fraud, misrepresentation or material misstatement, may be debarred for up to five (5) years. The County as a further sanction may terminate or cancel any other contracts with such individual, corporation or entity with such vendor held responsible for all direct or indirect costs associated with termination or cancellation, including attorney's fees.

3.29 RIGHT TO AUDIT

The COUNTY reserves the right to require CONTRACTOR to submit to an audit by any auditor of the COUNTY's choosing. CONTRACTOR shall provide access to all of its records which relate directly or indirectly to this Agreement at its place of business during regular business hours. CONTRACTOR shall retain all records pertaining to this Agreement and upon request make them available to the COUNTY for three (3) years following expiration of the Agreement. CONTRACTOR agrees to provide such assistance as may be necessary to facilitate the review or audit by the COUNTY to ensure compliance with applicable accounting and financial standards. Additionally, CONTRACTOR agrees to include the requirements of this provision in all contracts with subcontractors and material suppliers in connection with the work performed hereunder. If an audit inspection or examination pursuant to this section discloses overpricing or overcharges of any nature by the CONTRACTOR to the COUNTY in excess of one percent (1%) of the total contract billings, in addition to making adjustments for the overcharges, the reasonable actual cost of the COUNTY's audit shall be reimbursed to the COUNTY by the CONTRACTOR. Any adjustments and/or payments which must be made as a result of any such audit or inspection of the CONTRACTOR's invoices and/or records shall be made within a reasonable amount of time, but in no event shall the time exceed ninety (90) days, from presentation of the COUNTY's audit findings to the CONTRACTOR.

3.30 PUBLIC RECORDS/ COPYRIGHTS

All electronic files, audio and/or video recordings, and all papers pertaining to any activity performed by the vendor for or on behalf of the County shall be the property of the County and will be turned over to the County upon request. In accordance with Chapter 119, Florida Statutes, each file and all papers pertaining to any activities performed for or on behalf of the County are public records available for inspection by any person even if the file or paper resides in the vendor's office or facility. The vendor shall maintain the files and papers for not less than three (3) complete calendar years after the project has been completed or terminated, or in accordance with any grant requirements, whichever is longer. Prior to the close out of the Contract, the vendor shall appoint a records custodian to handle any records request and provide the custodian's name and telephone number(s) to the County.

Any copyright derived from this Agreement shall belong to the author. The author and the CONSULTANT shall expressly assign to the COUNTY nonexclusive, royalty free rights to use any and all information provided by the CONSULTANT in any deliverable and/or report for the COUNTY's use which may include publishing in COUNTY documents and distribution as the COUNTY deems to be in the COUNTY's best interests. If anything included in any deliverable limits the rights of the COUNTY to use the information, the deliverable shall be considered defective and not acceptable and the CONSULTANT will not be eligible for any compensation.

3.31 GOVERNING LAWS

The interpretation, effect, and validity of any contract(s) resulting from this solicitation shall be governed by the laws and regulations of the State of Florida, and Lake County, Florida. Venue of any court action shall be in Lake County, Florida. In the event that a suit is brought for the enforcement of any term of the contract, or any right arising there from, the parties expressly waive their

respective rights to have such action tried by jury trial and hereby consent to the use of non-jury trial for the adjudication of such suit.

3.32 STATE REGISTRATION REQUIREMENTS

Any corporation submitting a bid in response to this ITB shall either be registered or have applied for registration with the Florida Department of State in accordance with the provisions of Chapter 607, Florida Statutes. A copy of the registration/ application may be required prior to award of a contract. Any partnership submitting a bid in response to this ITB shall have complied with the applicable provisions of Chapter 620, Florida Statutes. For additional information on these requirements, please contact the Florida Secretary of State's Office, Division of Corporations, 800.755.5111 (<http://www.dos.state.fl.us>).

3.33 PRIME CONTRACTOR

The vendor awarded the contract shall act as the prime contractor and shall assume full responsibility for successful performance of the contract. The vendor shall be considered the sole point of contact with regard to meeting all requirements of the contract. All subcontractors will be subject to advance review by the County in regards to competency and security concerns. After the award of the contract no change in subcontractors will be made without the consent of the County. The vendor shall be responsible for all insurance, permits, licenses, and related matters for any and all subcontractors. Even if the subcontractor is self-insured, the County may require the contractor to provide any insurance certificates required by the work to be performed.

3.34 FORCE MAJEURE

The parties will exercise every reasonable effort to meet their respective obligations hereunder, but shall not be liable for delays resulting from force majeure or other causes beyond their reasonable control, including, but not limited to, compliance with revisions to Government law or regulation, acts of nature, acts or omissions of the other party, fires, strikes, national disasters, wars, riots, transportation problems and/or any other cause whatsoever beyond the reasonable control of the parties. Any such cause may be cause for appropriate extension of the performance period.

3.35 NO CLAIM FOR DAMAGES

No claim for damages or any claim other than for an extension of time shall be made or asserted against the County because of any delays. No interruption, interference, inefficiency, suspension, or delay in the commencement or progress of the Work shall relieve the vendor of duty to perform, or give rise to any right to damages or additional compensation from the County. The vendor's sole remedy shall be the right to seek an extension to the contract time. However, this provision shall not preclude recovery of damages by the vendor for hindrances or delays due solely to fraud, bad faith, or active interference on the part of the County.

3.36 TRUTH IN NEGOTIATION CERTIFICATE

For all agreements exceeding \$150,000, the firm awarded the agreement may be required to execute a truth in negotiation certificate stating that the wage rates and other factual unit costs are accurate, complete and current, at the time of contracting.

3.37 GRANT FUNDING

In the event any part of the contract is to be funded by federal, state, or other local agency monies, the vendor hereby agrees to comply with all requirements of the funding entity applicable to the use of the monies, including full application of requirements involving the use of minority firms, women's business enterprises, and labor surplus area firms. Vendors are advised that payments under the contract may be withheld pending completion and submission of all required forms and documents required of the vendor pursuant to the grant funding requirements. A copy of the requirements shall be supplied to the vendor by the County upon request.

ITB TITLE: Batteries, Auto and General Use**NOTES:**

- Lake County is exempt from all taxes (Federal, State, Local). Pricing should be less all taxes. A Tax Exemption Certificate will be furnished upon request.
- The vendor shall not alter or amend any of the information (including, but not limited to stated units of measure, item description, or quantity) stated in the Pricing Section. If any quantities are stated in the pricing section as being "estimated" quantities, vendors are advised to review the "Estimated Quantities" clause contained in Section 3 of this solicitation.
- Each price offered in your bid shall be a firm-fixed price, exclusive of any tax. Any bid containing a modifying or "escalator" clause not specifically allowed for under the solicitation will not be considered.
- All pricing shall be FOB Destination unless otherwise specified in this solicitation document.
- All pricing submitted shall remain valid for a 90 day period. By signing and submitting a response to this solicitation, the vendor has specifically agreed to this condition.
- Vendors are advised to visit our website at <http://www.lakecountyfl.gov> and register as a potential vendor. Vendors that have registered on-line receive an e-mail notice when the County issues a solicitation matching the commodity codes selected by a vendor during the registration process.

ACKNOWLEDGEMENT OF ADDENDA**INSTRUCTIONS:** Complete Part I or Part II, whichever applies

Part I:
The bidder must list below the dates of issue for each addendum received in connection with this ITB:
Addendum #1, Dated: _____
Addendum #2, Dated: _____
Addendum #3, Dated: _____
Addendum #4, Dated: _____
Part II:
<input checked="" type="checkbox"/> No Addendum was received in connection with this ITB.

SEE ATTACHMENT 2, PRICE SHEET

SECTION 4 – PRICING/ CERTIFICATIONS/ SIGNATURES

ITB Number: 12-0804

By Signing this Bid the Bidder Attests and Certifies that:

- It satisfies all legal requirements (as an entity) to do business with the County.
- The undersigned vendor acknowledges that award of a contract may be contingent upon a determination by the County that the vendor has the capacity and capability to successfully perform the contract.
- The bidder hereby certifies that it understands all requirements of this solicitation, and that the undersigned individual is duly authorized to execute this bid document and any contract(s) and/or other transactions required by award of this solicitation.

Certification Regarding Acceptance of County Electronic Payable Process

Vendor will accept payment using the County's VISA- based electronic payment system: ☒ Yes ☐ No

Purchasing Agreements with Other Government Agencies

This section is optional and will not affect contract award. If Lake County awarded you the proposed contract, would you sell under the same terms and conditions, for the same price, to other governmental agencies in the State of Florida? Each governmental agency desiring to accept to utilize this contract shall be responsible for its own purchases and shall be liable only for materials or services ordered and received by it. ☒ Yes ☐ No (Check one)

Certification Regarding Felony Conviction

Has any officer, director, or an executive performing equivalent duties, of the bidding entity been convicted of a felony during the past ten (10) years? ☐ Yes ☒ No (Check one)

Conflict of Interest Disclosure Certification

Except as listed below, no employee, officer, or agent of the firm has any conflicts of interest, real or apparent, due to ownership, other clients, contracts, or interests associated with this project; and, this bid is made without prior understanding, agreement, or connection with any corporation, firm, or person submitting a proposal for the same services, and is in all respects fair and without collusion or fraud.

DUNS Number (Insert if this action involves a federal funded project): _____

General Vendor Information and Bid Signature:

Firm Name: BATTERY USA, Inc.
 Street Address: 1840 S. Combee Rd., LAKELAND, FL 33801
 Mailing Address (if different): _____
 Telephone No.: 863-665-6317 Fax No.: 863-666-5004 E-mail: dboisvert@batteryusa.com
 FEIN No. 59-1425260 Prompt Payment Terms: — % — days, net 30
 Signature: [Signature] Date: 12/20/11
 Print Name: JAMES R. LAWLESS Title: V.P.

Award of Contract by the County: (Official Use Only)

By signature below, the County confirms award to the above-identified vendor under the above identified solicitation. A separate purchase order will be generated by the County to support the contract.

Vendor awarded as:

- ☒ Sole vendor ☐ Pre-qualified pool vendor based on price
☐ Pre-qualified pool vendor (spot bid) ☐ Primary vendor for items: _____
☐ Secondary vendor for items: _____ ☐ Other status: _____

Signature of authorized County official: [Signature] Date: 2/8/12
 Printed name: Roseann Johnson Title: Sr. Contracting Officer
 Purchase Order Number assigned to this contract for billing purposes: N/A

THE FOLLOWING DOCUMENTS ARE ATTACHED

Attachment 1: Work References

Attachment 2: Price Sheet

WORK REFERENCES

Agency	Hillsborough Cty Schools
Address	9955 HARNEY RD
City,State,ZIP	THONOTOSASSA, FL 33592
Contact Person	BRIAN RUBENZER
Telephone	813-982-5607
Date(s) of Service	Current bid EXTENDED 12 months
Type of Service	Rebuild High Amp Alternators
Comments:	

Agency	ORANGE Cty Public Schools
Address	445 W. Amelia St.
City,State,ZIP	Orlando FL 32801
Contact Person	Millie Cintron
Telephone	407-317-3414
Date(s) of Service	Current bid Extender 12 months
Type of Service	Rebuild High Amp Alternators
Comments:	Batteries 11/09 - 10/11

Agency	Brevard Cty Schools
Address	2091 W. King St.
City,State,ZIP	Cocoa, FL 32926
Contact Person	Roger Watkins
Telephone	321-639-6570
Date(s) of Service	10 years
Type of Service	Starters + Alternators
Comments:	SOME BATTERIES

SECTION 5 - ATTACHMENTS

ITB Number: 12-0804

BATTERIES
AUTOMOTIVE AND GENERAL USE

Item	BCI Group	MIN CCA	MIN RC	ESTIMATED QUANTITY	Price	Sheet	EXTENDED		MANUFACTURE	MODEL NO.
					PRICE EACH	PRICE	PRICE	PRICE		
1	24	525	90	10	387.70	387.00			EAST PENN	524MF
2	24F	525	90	6	387.70	232.20			EAST PENN	524MF
3	26	400	70	2	32.00	64.00			EAST PENN	426MF
4	27	700	120	3	49.37	148.11			EXIDE	27-700
5	27F	700	120	1	49.37	49.37			EXIDE	27F-700
6	36R	650	115	4	52.97	211.88			EAST PENN	636RMF
7	31 POST	1,000	180	25	64.73	1618.25			EAST PENN	1131PMF
8	31 STUD	1,000	180	91	64.73	5890.43			EAST PENN	1131MF
9	34	650	115	12	48.77	585.24			EAST PENN	634MF
10	49	850	120	8	62.32	498.56			EXIDE	49-850
11	4D	1080	300	4	88.63	354.52			EAST PENN	904D
12	4DLT	900	200	7	77.42	541.94			EAST PENN	94DLT
13	58	550	90	3	40.19	120.57			EXIDE	58-540
14	65	850	150	24	55.51	1332.24			EXIDE	65-850
15	6TL	825	215	2	127.62	255.24			EAST PENN	6TME
16	75	700	100	30	45.16	1354.80			EXIDE	75-730
17	78	770	128	8	52.67	421.36			EXIDE	78-770
18	8D	1100	320	12	83.38	1000.56			EAST PENN	708D
19	DT34/78	770	128	12	56.47	677.64			EXIDE	78DT-850
20	DT34/78	600	100	15	48.45	726.75			EXIDE	78DT-650
21	U1L	245	26	10	21.16	211.60			EAST PENN	841L
22	GC US1800 6V	208 AH		10	69.50	695.00			US BATTERY	US1800
23	DCS100L AGM DEEP CYCLE C&D TECHNOLOGIES ONLY	100AH @ 20HR		15	178.50	2677.50			EAST PENN	8A31

SECTION 5 - ATTACHMENTS

ITB Number: 12-0804

Item	BCI Group	MIN CCA	MIN RC	ESTIMATED		EXTENDED		MANUFACTURE	MODEL NO.
				QUANTITY	PRICE EACH	PRICE			
24	ACD1109C (31 STUD) ACDELCO ONLY	735	170	18	86.50	1557.00		AC Delco	ACD1109C
25	ACD31TS (31 STUD) ACDELCO ONLY	950	180	10	91.25	912.50		AC Delco	ACD31TS
26	BXL-65 MOTORCRAFT ONLY	675	130	27	69.50	1876.50		MOTORCRAFT	BXL-65
27	EN22 9V	EVEREADY OR EQUAL		36	1.75	63.00		Eveready	EN22
28	EN91 AA			648	.46	298.08		"	EN91
29	EN92 AAA			144	.36	51.84		"	EN92
30	EN93 C			36	.75	27.00		"	EN93
31	EN95 D			60	.89	53.40		"	EN95
TOTALS						<u>\$24,894.00</u>			

* PRICES ARE EXCHANGE

BATTERY SPECIFICATIONS

EFFECTIVE APRIL 15, 2011

Business & Personal Attention Subject to change without notice

EAST PENN manufacturing co., inc.

LYON STATION, PA 19536 - Phone: 610-682-6361 - Fax: 610-682-4781

Order Department Hotline: 610-682-4231

www.dakabatteries.com

GROUP NO.	PART NO.	PERFORMANCE LEVEL				WEIGHT (lbs)	MAXIMUM OVERALL DIMENSIONS						Core Value	FOOTNOTES
		CCA	R.C.	REF. CA	20 HR CAP		LENGTH		WIDTH		HEIGHT			
							in	mm	in	mm	in	mm		
12-VOLT AGM VALVE REGULATED														
34/78	9A78DT	775	120	955	55	42.5	10-3/4	273	6-7/8	175	8	203	1.0	2,13,16,17
34/78	9A78CDT	700	120	840	55	40.5	10-3/4	273	6-7/8	175	8	203	1.0	2,13,16,17
34	9A34	775	120	955	55	41	10-3/4	273	6-7/8	175	8	203	1.0	2,13,17
34R	9A34R	775	120	955	55	41	10-3/4	273	6-7/8	175	8	203	1.0	2,13,17
47	9A47	600	100	690	60	39	9-5/16	242	6-7/8	175	7-1/2	190	1.0	13,17,22
48	9A48	760	120	875	70	45.5	11	278	6-7/8	175	7-1/2	190	1.0	13,17,22
49	9A49	850	170	975	92	58.5	13-15/16	354	6-7/8	175	7-1/2	190	1.0	13,17,22
65	9A65	775	150	955	75	46	12	305	7-3/8	187	7-5/8	194	1.0	2,13,17
78	9A78	775	120	955	55	42.5	10-3/4	273	6-7/8	175	7-1/4	184	1.0	2,13,17
94R	9A94R	800	140	980	80	51.5	12-7/16	315	6-7/8	175	7-1/2	190	1.0	13,17,22
31	9A31	925	190	1060	100	63	13	330	6-3/4	171	9-1/2	241	1.5	2,13,17,X
31P	9A31P	925	190	1060	100	63	13	330	6-3/4	171	9-1/2	241	1.5	2,13,17
34M	9A34M	775	120	955	55	41.5	10-3/4	273	6-7/8	175	8-3/8	212	1.0	2,13,17,U
GROUP NO.	PART NO.	PERFORMANCE LEVEL				WEIGHT (lbs)	MAXIMUM OVERALL DIMENSIONS						Core Value	FOOTNOTES
		CCA	R.C.	REF. CA	20 HR CAP		LENGTH		WIDTH		HEIGHT			
							in	mm	in	mm	in	mm		
12-VOLT ADVANCED GENERATION														
75/86	775DT	690	90	820		34.5	9-3/4	248	7	178	8-1/8	206	1.0	14,16,17,18,22,37
34/78	778DT	850	115	1020		41	10-3/4	273	6-7/8	175	8	203	1.0	14,16,17,18,22,37
24	724MF	725	120	890		41	10-3/4	273	6-3/4	171	9	229	1.0	17,22
24F	724FMF	725	120	890		41	10-3/4	273	6-3/4	171	9	229	1.0	17,22
25	725MF	625	95	775		35.5	9-3/4	248	6-7/8	175	8-7/8	225	1.0	17,22
27	727MF	840	140	1010		49.5	12-5/8	321	6-3/4	171	9	229	1.0	17,21
27F	727FMF	840	140	1010		49.5	12-5/8	321	6-3/4	171	9	229	1.0	17,21
34	734MF	850	115	1020		38.5	10-3/4	273	6-7/8	175	8	203	1.0	17,18,22,37
34R	734RMF	850	115	1020		38.5	10-3/4	273	6-7/8	175	8	203	1.0	17,18,22,37
36	735MF	625	95	775		35.5	9-3/4	248	6-7/8	175	8-7/8	225	1.0	17,22
47 (H5)	9AGM47	600	100	690		39	9-5/16	242	6-7/8	175	7-1/2	190	1.0	13,17,22
48 (H6)	9AGM48	760	120	875		45.5	11	278	6-7/8	175	7-1/2	190	1.0	13,17,22
48 (H6)	748MF	730	120	885		42.5	11	278	6-7/8	175	7-1/2	190	1.0	17,22
49 (H8)	9AGM49	850	170	975		58.5	13-15/16	354	6-7/8	175	7-1/2	190	1.0	13,17,22
65	765MF	750	140	885		45.5	12	305	7-3/8	187	7-5/8	194	1.0	17,22
75	775MF	890	90	820		34.5	9-3/4	248	7	178	7-1/4	184	1.0	17,22
78	778MF	850	115	1020		39	10-3/4	273	6-7/8	175	7-1/4	184	1.0	17,22
79	779MF	840	140	1000		43	12-1/16	307	7-1/16	179	7-3/8	188	1.0	22
86	786MF	690	90	775		34.5	9	229	6-7/8	175	8-1/8	206	1.0	22
94R (H7)	9AGM94R	800	140	920		61.5	12-7/16	315	6-7/8	175	7-1/2	190	1.0	13,17,22
12-VOLT AUTOMOTIVE / LTV														
75/86	675DT	650	85	800		33	9-3/4	248	7	178	8-1/8	206	1.0	14,16,17,18,22,37
	575DT	540	85	670		32	9-3/4	248	7	178	8-1/8	206	1.0	14,16,17,18,22,37
34/78	678DT	690	110	820		36.5	10-3/4	273	6-7/8	175	8	203	1.0	14,16,17,18,22,37
	578DT	550	90	660		33.5	10-3/4	273	6-7/8	175	8	203	1.0	14,16,17,18,22,37
24	624MF	675	115	850		40	10-3/4	273	6-3/4	171	9	229	1.0	17,22
	524MF	550	90	650		35.5	10-3/4	273	6-3/4	171	9	229	1.0	17,22
	424MF	460	70	575		32	10-3/4	273	6-3/4	171	9	229	1.0	17,22
24F	624FMF	675	115	850		40	10-3/4	273	6-3/4	171	9	229	1.0	17,22
	524FMF	550	90	650		35.5	10-3/4	273	6-3/4	171	9	229	1.0	17,22
	424FMF	460	70	575		32	10-3/4	273	6-3/4	171	9	229	1.0	17,22
25	625MF	550	90	675		33.5	9-3/4	248	6-7/8	175	8-7/8	225	1.0	17,22
26	626MF	540	80	685		29.5	8-3/4	222	6-3/4	171	8	203	1.0	17,18,22,37
	426MF	450	65	560		26	8-3/4	222	6-3/4	171	8	203	1.0	17,18,22,37
26R	626RMF	540	80	685		29.5	8-3/4	222	6-3/4	171	8	203	1.0	17,18,22,37
	426RMF	450	65	560		26	8-3/4	222	6-3/4	171	8	203	1.0	17,18,22,37
27	627MF	710	120	860		45.5	12	305	6-3/4	171	9	229	1.0	21
27F	627FMF	710	120	860		45.5	12-3/8	314	6-3/4	171	9	229	1.0	21
34	634MF	890	110	820		36.5	10-3/4	273	6-7/8	175	8	203	1.0	17,18,22,37
	534MF	550	90	690		33.5	10-3/4	273	6-7/8	175	8	203	1.0	17,18,22,37
34R	634RMF	890	110	820		36.5	10-3/4	273	6-7/8	175	8	203	1.0	17,18,22,37
36	636MF	550	90	675		33.5	9-3/4	248	6-7/8	175	8-7/8	225	1.0	17,22
36R	636RMF	650	120	800		42	10-1/4	260	7-1/4	184	8	203	1.0	17,22
40R (T6)	640RMF	650	105	810		37	11	278	6-7/8	175	6-7/8	175	1.0	17,22
41	641MF	650	100	800		38	11-3/16	293	6-7/8	175	6-7/8	175	1.0	22
42 (S8R)	642 (S8R)	580	85	725		31.5	10	254	7-1/4	184	6-7/8	175	1.0	17,22
	542 (S8R)	500	75	630		28	10	254	7-1/4	184	6-7/8	175	1.0	17,22
42	642MF	475	70	590		29	9-2/16	242	6-7/8	175	6-7/8	175	1.0	17,22
45	645MF	485	65	600		30.5	9-3/8	238	5-1/2	140	9	229	1.0	17,22
47 (H5)	647MF	600	95	750		36.5	9-2/16	242	6-7/8	175	7-1/2	190	1.0	17,22
48 (H6)	648MF	700	120	875		42	11	278	6-7/8	175	7-1/2	190	1.0	17,22
49 (H8)	649MF	900	185	1080		58.5	13-15/16	354	6-7/8	175	7-1/2	190	1.0	17,22
50	650MF	600	108	750		43	13-3/8	340	5-3/8	136	8-7/8	225	1.0	17
51	551MF	475	70	590		28	9-3/8	238	5	127	8-3/4	222	1.0	22
	651RMF	500	75	600		29	9-3/8	238	5	127	8-3/4	222	1.0	22
51R	551RMF	475	70	590		28	9-3/8	238	5	127	8-3/4	222	1.0	22
55	655MF	570	80	705		29.5	8-3/4	222	8	152	8-5/2	216	1.0	17,18
58	658MF	580	85	725		31.5	10	254	7-1/4	184	7	178	1.0	17,22
	558MF	500	75	630		29	10	254	7-1/4	184	7	178	1.0	17,22
58R	658RMF	580	85	725		31.5	10	254	7-1/4	184	8-7/8	175	1.0	17,22
59	659MF	590	100	700		37	9-1/2	241	7-7/16	189	7-1/2	190	1.0	17

GROUP NO.	PART NO.	PERFORMANCE LEVEL			WEIGHT (lbs)	MAXIMUM OVERALL DIMENSIONS						Core Value	FOOTNOTES
		CCA	R.C.	REF. CA		LENGTH		WIDTH		HEIGHT			
						in	mm	in	mm	in	mm		
12-VOLT AUTOMOTIVE / LTV													
64	664MF	620	100	770	42	11-3/4	298	6-1/4	159	8-7/8	225	1.0	
65	665MF	880	150	1040	45.5	12	305	7-3/8	187	7-5/8	194	1.0	17,22
	565MF	675	130	890	41							1.0	17,22
70	570MF	540	80	665	29.5	8-3/4	222	7	178	7-1/8	181	1.0	17,18,22,37
75	675MF	650	85	800	33	9-3/4	248	7	178	7-1/4	184	1.0	17,22
	575MF	540	85	670	32							1.0	17,22
78	678MF	680	110	820	36.5	10-3/4	273	6-7/8	175	7-1/4	184	1.0	17,22
	578MF	560	90	690	33.5							1.0	17,22
85	685MF	660	110	775	35.5	9	229	8-7/8	175	8-1/8	206	1.0	22
86	586MF	540	85	675	32	9	229	6-7/8	175	8-1/8	206	1.0	22
90 (T5)	690MF	600	90	745	33.5	9-8/16	242	8-7/8	175	8-7/8	175	1.0	17,22
91 (T8)	691MF	700	100	875	36.5	11	278	8-7/8	175	8-7/8	175	1.0	17,22
92 (T7)	692MF	660	130	780	37	12-1/2	317	8-7/8	175	8-7/8	175	1.0	17,22
93 (T0)	693MF	800	130	960	46.5	13-15/16	354	8-7/8	175	8-7/8	175	1.0	17,22
94R (H7)	694RMF	765	135	910	46	12-7/16	316	6-7/8	175	7-1/2	190	1.0	17,22
95R (H9)	695RMF	860	190	1020	64.5	15-1/2	394	8-7/8	175	7-1/2	190	1.0	17,22
96R	696RMF	600	90	745	33.5	9-9/16	242	8-7/8	175	8-7/8	175	1.0	17,22
97R (H5)	697RMF	600	95	760	36.5	9-9/16	242	8-7/8	175	7-1/2	190	1.0	17,22
101	6101MF	650	110	810	36	10-1/4	260	7-1/16	179	6-11/16	170	1.0	22
121R	6121RMF	640	80	665	29.5	8-1/4	210	6-15/16	177	8-1/8	206	1.0	
124R	6124RMF	670	100	810	38	10-1/4	260	8-7/8	175	8-3/8	212	1.0	22
151R	5151RMF	330	55	440	19	7-1/4	184	4-15/16	125	8-3/4	222	1.0	17,22
Miatra	8AMU1R	320	45	400	25	7-3/4	197	6-1/8	130	7-1/4	184	0.5	2,13,22,38,39
12-VOLT VALUE LINE MAINTENANCE-FREE													
75/86	VL75DT	475	60	590	32	9-3/4	248	7	178	8-1/8	206	1.0	14,16,17,22
14/78	VL78DT	525	80	650	32	10-3/4	273	6-7/8	175	8	203	1.0	14,16,17,22
24	VL24	440	70	550	32	10-3/4	273	8-3/4	171	8	229	1.0	17,22
24F	VL24F	440	70	550	32	10-3/4	273	8-3/4	171	9	229	1.0	17,22
26	VL26	440	55	550	26	8-3/4	222	8-3/4	171	8	203	1.0	17,22
26R	VL26R	440	55	550	26	8-3/4	222	8-3/4	171	8	203	1.0	17,22
58	VL58	440	70	550	27.5	10	254	7-1/4	184	7	178	1.0	17,22
65	VL65	650	120	865	38.5	12	305	7-3/8	187	7-5/8	194	1.0	17,22
31	VL31	650	130	800	49.5	13	330	6-3/4	171	8-1/2	241	1.5	19,22,X
31P	VL31P	650	130	800	49.5	13	330	6-3/4	171	8-1/2	241	1.5	19,22
12-VOLT VINTAGE VEHICLES & LIGHT COMMERCIAL													
3EE	403E	400	85	485	42	19-1/4	489	4-1/4	108	9	229	1.0	11,26
22NF	See page 2, Lawn Mower - Garden Tractor - Small Engine section.												
29NF	429NF	390	80	485	41	12-7/8	327	5-1/2	140	9	229	1.0	11,15,26
53	353	290	62	360	32.5	13	330	4-3/4	121	8-3/8	213	1.0	11,15,26
8-VOLT LIGHT TRUCK - OLDER MODEL PASSENGER CARS													
2E	402E	520	190	750	42	19-1/4	489	4	102	8-7/8	225	1.0	11,15,26
19L	319L	440	120	660	28	8-1/4	210	6-3/4	171	7-1/2	191	1.0	11,15,26
8-VOLT COMMERCIAL SERVICE													
1	801	520	102	650	31.5	8-7/8	225	6-3/4	171	8-7/8	225	1.0	12,26
6-VOLT HEAVY-DUTY COMMERCIAL SERVICE													
1	901MF	640	130	800	30	9	220	6-7/8	175	8-3/4	222	1.0	21,25
2	902	780	200	940	36.5	10-3/8	264	6-7/8	175	8-3/4	222	1.0	12,26
3EH	93EH	875	260	1035	47.5	19-1/4	489	4-1/4	108	10	264	1.0	12,25
4	904MF	975	250	1170	47	12-1/2	318	6-7/8	175	9-1/2	241	1.5	21,25
5D	905D	880	260	1100	50	13-3/8	340	7-1/8	181	9-1/4	236	1.5	12,26
12-VOLT HEAVY-DUTY COMMERCIAL SERVICE													
3ET	93ET	500	120	825	48	19-1/4	489	4-1/4	108	9-7/8	261	1.0	12,25
4D	904D	1050	290	1280	99.6	20-3/4	527	8-1/2	216	10-1/8	268	3.0	12,17,25
4DLT	94DLT	850	240	1005	80	20	508	8-1/8	206	8-1/8	208	2.0	12,19,25
8U	908D	1400	430	1700	130	20-3/4	527	11	279	10	264	4.0	12,17,26
	708D	1100	325	1340	117.5							4.0	12,17,26
17TF	917TF	530	140	630	58.5	17	432	6-7/8	175	8	203	1.5	11,15,19,26
28	928MF	550	100	685	41.5	10-1/4	260	6-3/4	171	9-1/2	241	1.0	21,22,X
30H	930H	650	160	800	51	13	330	6-3/4	171	9-1/2	241	1.5	19,21,22
31	1231MF	1000	190	1190	58	13	330	6-3/4	171	9-1/2	241	1.5	17,19,21,22,X
	1131MF	950	175	1140	58.5							1.5	17,19,21,22,X
	1031MF	760	170	910	54.5							1.5	19,21,22,X
	931MF	650	150	810	51							1.5	19,21,22,X
31P	1231PMF	1000	190	1190	58	13	330	6-3/4	171	9-1/2	241	1.5	17,19,21,22
	1131PMF	950	175	1140	58.5							1.5	17,19,21,22
	1031PMF	760	170	910	54.5							1.5	19,21,22
	931PMF	650	160	810	51							1.5	19,21,22
12-VOLT HEAVY-DUTY COMMERCIAL SEVERE SERVICE/DUAL PURPOSE													
31	7T31	730	190	940	62.5	13	330	6-3/4	171	9-1/2	241	1.5	19,21,22,43,X
31P	7T31P	730	190	940	62.5							1.5	19,21,22,43
31	DP31CS	700	185	875	57							1.5	19,21,22,43,X
12-VOLT HEAVY-DUTY COMMERCIAL - AGM - DEEP CYCLE / STARTING													
31	8A31	800	200	1000	69	13	330	6-3/4	171	9-1/2	241	1.5	2,13,17,38,39,X
12-VOLT LAWN MOWER - GARDEN TRACTOR - SMALL ENGINE - CALCIUM MAINTENANCE-FREE													
U1	11U1L	350	—	410	19	7-3/4	197	5-1/8	130	7-1/4	184	0.5	22,Z
	10U1L	300	—	365	17							0.5	22,Z
	8U1L	230	—	275	15.5							0.5	22,Z
	7U1L	185	—	235	15							0.5	22,Z
U1R	10U1R	300	—	365	17	7-3/4	197	5-1/8	130	7-1/4	184	0.5	22,Y
	8U1R	230	—	275	15.5							0.5	22,Y
	7U1R	195	—	235	15							0.5	22,Y
U1L = left front positive; U1R = right front positive (with terminal side of battery to front)													
22F	522FMF	425	65	540	29.5	9-3/8	238	6-3/4	171	8-1/4	210	1.0	
22NF	322NF	360	58	430	29	9-3/8	238	5-1/2	140	9	229	0.5	12

GROUP NO.	PART NO.	PERFORMANCE LEVEL			WEIGHT (lbs)		LENGTH		WIDTH		HEIGHT		Core Value	FOOTNOTES	
		CCA	R.C.	REF. MCA	WET		in	mm	in	mm	in	mm			
12-VOLT MARINE / RV STARTING CALCIUM MAINTENANCE FREE															
24	24M7	800	130	1000	46								1.0	17,22,U	
	24M6	875	115	820	40								1.0	17,22,U	
	24M5	650	90	660	35.5		10-3/4	273	6-3/4	171	9-3/8	238	1.0	17,22,U	
	24M4	460	70	575	32								1.0	17,22,U	
27	27M6	840	182	1050	58		12-1/2	318	8-3/4	171	9-3/8	238	1.0	17,U	
GROUP NO.	PART NO.	CCA	REF. MCA	MINS @ 25 A	MINS @ 25 A	20 HR CAP	WEIGHT WET	LENGTH in	mm	WIDTH in	mm	HEIGHT in	mm	Core Value	FOOTNOTES
12-VOLT MARINE / RV DUAL PURPOSE STARTING / CYCLE SERVICE															
24	DP24	550	685	140	120	65	42	10-3/4	273	6-3/4	171	9-3/8	238	1.0	12,17,U
27	DP27	650	810	175	150	80	49	12-1/2	318	6-3/4	171	9-3/8	238	1.0	12,17,U
31	DP31DT	700	875	205	185	100	57	13	330	6-3/4	171	9-1/2	241	1.5	17,21,22,U
12-VOLT MARINE / RV DEEP CYCLE SERVICE															
24	DC24	500	625	150	130	75	45	10-3/4	273	6-3/4	171	9-3/8	238	1.0	11,17,35,U
27	DC27	575	715	200	175	90	53	12-1/2	318	6-3/4	171	9-3/8	238	1.0	11,17,35,U
31	DC31DT	650	810	225	185	105	59	13	330	6-3/4	171	9-1/2	241	1.5	11,17,21,22,35,U
Note: The three "DC" deep cycle part numbers above include double insulated glass mat separators.															
GROUP NO.	PART NO.	CCA	REF. MCA	8 HR CAP	6 HR CAP	WEIGHT (lbs)	LENGTH in	mm	WIDTH in	mm	HEIGHT in	mm	Core Value	FOOTNOTES	
8-VOLT MARINE AND INDUSTRIAL															
981	8V195	980	1170	170	166	90	20-3/4	527	7-1/4	184	10-5/8	270	2.0	11,15,17,25	
983	819	510	610	167	158	119	24-1/2	622	7-1/2	191	10-1/2	267	3.0	11,17,20,25,35,T	
984	821	630	635	187	177	135	27-1/2	699	7-1/2	191	10-1/2	267	3.0	11,17,20,25,35,T	
985	825	730	870	224	212	160	26-7/8	683	8-1/2	216	11-3/4	298	4.0	11,17,20,25,35,F	
GROUP NO.	PART NO.	CCA	RES. CAP.	20 HR CAP	WEIGHT (lbs)	LENGTH in	mm	WIDTH in	mm	HEIGHT in	mm	Core Value	FOOTNOTES		
ORDNANCE															
2HN	See page 4, Dry Charged Batteries section														
4HN															
6TL	6TMF	750	230	120	73		11-1/4	286	10-1/2	267	9	229	2.0	6,17,21,25	
GROUP NO.	PART NO.	20 HR CAP	6 HR CAP	MINS @ 75 A	WEIGHT (lbs) WET	LENGTH in	mm	WIDTH in	mm	HEIGHT in	mm	Core Value	FOOTNOTES		
6-VOLT FLOOR SCRUBBER AND SWEEPER															
901	9C11	250	210	130	73		11-3/4	298	7	178	11-1/2	292	1.5	4,11,17,19,25,34,V	
	9C11	235	190	120	66.5								1.5	4,11,17,19,25,34,V	
902	9C6V	330	270	170	97.5		11-3/4	298	7	178	14-3/8	365	2.0	4,11,17,19,25,34,V	
903	9L16	370	295	190	113		11-3/4	298	7	178	16-1/2	419	2.5	4,11,17,19,25,34,W	
12-VOLT FLOOR SCRUBBER AND SWEEPER															
921	9C12	225	180	115	127		15-1/2	394	7	178	14-1/4	362	3.0	11,17,25,34,V	
	9C12	195	180	90	115								3.0	11,17,25,34,V	
GROUP NO.	PART NO.	20 HR CAP	6 HR CAP	MINS. DISCHARGED @ 75 A	WEIGHT (lbs) WET	LENGTH in	mm	WIDTH in	mm	HEIGHT in	mm	Core Value	FOOTNOTES		
GOLF CAR — EV — MOTIVE POWER — DEEP CYCLE SERVICE															
GC2	GC25	235	188	132	—	488	68						1.5	4,11,38,U	
	GC16	230	174	120	—	448	64	10-1/4	260	7-1/8	181	10-7/8	276	1.5	4,11,38,U
	GC10	215	157	105	—	395	60.5						1.5	11,36,U	
GC2H	GC45	255	203	145	—	530	77	10-1/4	260	7-1/8	181	11-3/8	302	1.5	4,11,38,U
GC8	GC8V	165	130	85	121	318	58	10-1/4	260	7-1/8	181	11-1/8	283	1.5	4,11,38,G
	GC12V	165	—	77	110	292	90	13-1/8	333	7-1/8	179	11-3/8	289	1.5	7,11,O
GROUP NO.	PART NO.	CCA	RES. CAP.	REF. CA	WEIGHT (lbs) WET	LENGTH in	mm	WIDTH in	mm	HEIGHT in	mm	Core Value	FOOTNOTES		
12-VOLT GOLF CAR STARTING BATTERY															
For gas engine golf cars with T881 terminal:															
24/28	428G	450	55	580	26		8-3/4	222	6-3/4	171	8	203	1.0	17,22,G	
GROUP NO.	PART NO.	CCA	REF. MCA	RES. CAP.	MINS @ 25 A	20 HR CAP	WEIGHT WET	LENGTH in	mm	WIDTH in	mm	HEIGHT in	mm	Core Value	FOOTNOTES
AGM VALVE REGULATED															
U1	8AU1	200	240	48	54	32	24	7-3/4	197	5-1/8	130	7-1/4	184	0.5	2,38,39,Y
	8AU1H	200	240	48	54	32	24	8-5/16	211	5-1/8	130	7-1/4	184	0.5	2,17,38,39,Y
22NF	8A22NF	350	420	85	95	55	38.5	9-3/8	238	5-1/2	140	9-1/4	235	0.5	2,38,39,G
24M	8A24M	625	800	135	145	79	53	10-7/8	276	6-3/4	171	9-7/8	251	1.0	2,17,38,39,U
	8A24	525	800	135	145	79	53	10-7/8	276	6-3/4	171	9-7/8	251	1.0	2,17,38,39,G
24	8A24NH	625	800	135	145	79	53	10-1/4	260	6-3/4	171	9-7/8	251	1.0	2,38,39,G
27M	8A27M	580	900	175	185	92	63	12-3/4	324	6-3/4	171	9-7/8	251	1.0	2,17,38,39,U
27	8A27	580	900	175	185	92	63	12-3/4	324	6-3/4	171	9-7/8	251	1.0	2,17,38,39,G
31M	8A31DTM	800	1000	200	210	105	69	12-15/16	329	6-3/4	171	9-3/8	238	1.5	2,16,17,38,39,U
4D	8A4D	1160	1420	380	413	188	129	20-3/4	527	8-1/2	216	10	254	3.0	2,17
8D	8A8D	1450	1800	480	517	245	158	20-3/4	527	11	270	10	254	4.0	2,17
GC2	8AGC2	680	900	380	405	190	69.5	10-1/4	260	7-1/8	181	10-7/8	276	1.5	2,U
GEL VALVE REGULATED															
U1	8GU1	200	290	44	47	31.6	23.4	7-3/4	197	5-1/8	130	7-1/4	184	0.5	4,38,39,Y
	8GU1H	200	290	44	47	31.6	23.4	8-5/16	211	5-1/8	130	7-1/4	184	0.5	4,17,38,39,Y
22NF	8G22NF	240	300	77	82	61	37	9-3/8	238	5-1/2	140	9-1/4	235	0.5	4,38,39,G
24M	8G24M	410	575	132	140	73.6	52.5	10-7/8	276	6-3/4	171	9-7/8	251	1.0	4,17,38,39,U
	8G24	335	470	132	140	73.6	52	10-7/8	276	6-3/4	171	9-7/8	251	1.0	4,17,38,39,G
24	8G24NH	335	470	132	140	73.6	52	10-1/4	260	6-3/4	171	9-7/8	251	1.0	4,38,39,G
	8G24SS	335	470	132	140	73.6	52	10-1/4	260	6-3/4	171	8-1/4	210	1.0	4,38,39,C
27M	8G27M	505	700	180	170	88	53.2	12-3/4	324	6-3/4	171	9-7/8	251	1.0	4,17,38,39,U
27	8G27	490	550	160	170	88	52.7	12-3/4	324	6-3/4	171	9-7/8	251	1.0	4,17,38,39,G
	8G27/T876	490	550	160	170	88	52.7	12-3/4	324	6-3/4	171	9-1/4	235	1.0	4,17,38,39,G
30H	8G30H	450	640	180	190	97.6	69.5	12-15/16	329	6-3/4	171	9-3/8	248	1.5	4,17,38,39,B
31M	8G31DTM	550	780	180	190	97.6	70	12-15/16	329	6-3/4	171	9-3/8	238	1.5	4,16,17,38,39,U
31	8G31	450	640	180	190	97.6	69.5	12-15/16	329	6-3/4	171	9-3/8	238	1.5	4,17,38,39,X
34R	8G34R	300	420	90	96	60	41.5	10-3/16	259	6-5/8	169	7	178	1.0	4,38,39,C
	8G40C	225	325	59	63	40	31.7	7-3/8	197	6-5/8	168	6-7/8	175	0.5	4,38,39,C
GC2	8GGC2	585	850	345	375	180	68.4	10-1/4	260	7-1/8	181	10-7/8	276	1.5	4,38,39,U
GC8	8GBVC	400	575	250	270	140	69.5	10-1/4	260	7-1/8	181	10-7/8	276	1.5	4,U
4D	8G4D	970	1245	375	395	183	127	20-3/4	527	8-1/2	216	10	254	3.0	4,17,38,39
8D	8G8D	1150	1470	475	500	225	157	20-3/4	527	11	279	10	254	4.0	4,17,38,39

GROUP NO.	PART NO.	PERFORMANCE LEVEL				WEIGHT		LENGTH		WIDTH		HEIGHT		Core Value	FOOTNOTES	
		CCA	10 HR CAPACITY			KGS	LBS	in	mm	in	mm	in	mm			
POWER SPORTS AGM VALVE REGULATED																
	ETX9	120	8			2.9	6.3	5-7/8	150	3-7/16	88	4-3/16	106	0.2	2,38,39	
	ETX12	180	10			4.3	9.4	5-7/8	150	3-7/16	88	5-1/16	130	0.2	2,38,39	
	ETX14	220	12			5.4	12	5-7/8	150	3-7/16	88	5-3/16	145	0.2	2,38,39,42,75	
	ETX14L	220	12			5.4	12	5-7/8	150	3-7/16	88	5-3/16	145	0.2	2,38,39	
	ETX15	220	14			5	11	5-1/4	134	3-1/2	90	6-4/16	166	0.2	2,38,39,42,76	
	ETX15L	220	14			5	11	5-1/4	134	3-1/2	90	6-4/16	166	0.2	2,38,39	
	ETX16	325	19			7.7	17	6-7/8	175	4	100	6-1/16	155	0.2	2,38,39,42,74	
	ETX16L	325	19			7.7	17	6-7/8	175	4	100	6-1/16	155	0.2	2,38,39,42,74	
	ETX18L	340	20			8.2	18	6-1/8	206	3-9/16	91	6-3/16	163	0.2	2,38,39	
	ETX20L	310	17.5			7	15.5	6-7/8	175	3-7/16	88	6-1/16	155	0.2	2,38,39	
	ETX30L	400	26			9.8	21.7	6-5/8	168	5-3/16	131	6-7/16	175	0.2	2,38,39	
	ETX30LA	400	26			9.8	21.7	6-5/8	168	5-3/16	131	7-3/16	197	0.2	2,38,39,78	
GROUP NO.	PART NO.	PERFORMANCE LEVEL				VOLTS	WEIGHT		LENGTH		WIDTH		HEIGHT		Core Value	FOOTNOTES
		CCA	RES. CAP.	REF. CA	DRY			in	mm	in	mm	in	mm			
DRY CHARGED BATTERIES																
24	824MFD	675	115	850	12	28		10-3/4	273	6-3/4	171	9	229	1.0	17,23	
4D	904DY	1050	280	1280	12	58		20-3/4	527	8-1/2	216	10-1/8	268	3.0	12,17,25	
8D	908DY	1400	430	1700	12	80		20-3/4	527	11	279	10	264	4.0	12,17,25	
31	1231MFD	1000	190	1190	12	43		13	330	6-3/4	171	9-1/2	241	1.5	18,21,22,X	
U1	8U1LD	230	—	275	12	10.5		7-1/4	197	5-1/8	130	7-1/4	184	0.5	8,22,Z	
U1R	8U1RD	230	—	275	12	10.5		7-3/4	197	5-1/8	130	7-1/4	184	0.5	8,22,Y	
2HN	2HND	400	75	45	12	25		10-1/4	260	6-1/4	133	9	229	1.0	12,21,25,32	
4HN	4HND	235	28	21	24	27.5		10-1/4	260	5-1/4	133	9	229	1.0	11,17,21,25,32	
6TL	6TMFO	750	230	120	12	52		11-1/4	286	10-5/2	267	9	229	2.0	6,17,21,26	



- B. Flag terminal w/ 3/8" diameter hole (T876)
C. 1/4" x 20 Copper Insert Terminal
F. Standing upright terminal w/ 3/8" diameter hole (T877)
G. Offset post w/ horizontal hole, stainless steel 5/16" bolt and hex nut (T881)

- O. Offset post w/ vertical stainless steel 5/16" stud and hex nut (T872)
T. Heavy Duty L terminal w/ 3/8" diameter hole (T875)
U. Molded-in offset SAE post and vertical 5/16" NEG, 5/16" POS, stainless steel studs & hex nuts

- V. Molded-in offset SAE post and vertical 5/16" NEG, 5/16" POS, stainless steel studs
W. "L" type terminal w/ 5/16" diameter hole (T882)
X. 3/8" x 16 stainless steel stud posts
Y. Small L terminal with round holes
Z. Small L terminal with square holes

- All batteries are maintenance free calcium grids except where noted
- All batteries manufactured in polypropylene cases and covers except where noted
- All batteries manufactured in black case and black cover except where noted
- All batteries, except Power Sports, have SAE automotive post unless noted
- Warranty is suggested months
- All weights are approximate weight
- MCA and CA ratings @ 32°F for comparison only
- All ratings except CCA and RC are "nominal"
- Ratings conform to H.C.I. specifications
- Dry = up to 10% reduced capacity

FOOTNOTES

- Black cover / Gray case
- Gray cover / Gray case
- Black cover / Brown Case
- Dark blue cover / Dark blue case
- Dry charged batteries have black covers & white cases
- Low maintenance-low antimony grids
- Hybrid construction
- Absorbed Glass Mat technology
- Centerline terminal posts
- Hard rubber, one-piece cover construction

- Dual terminal universal design
- Includes hand
- Includes top adapter
- Includes lifting ladders
- Hard rubber, multi-cell cover construction
- Anchor lock elements
- Flush manifold vented cover
- Flush manifold vented cover when shipped wet, standard cover when shipped dry
- With individual vent caps
- Available dry charged only
- Ratings after 15 cycling
- Deduct 15% from CCA and CA rating shown to allow for double insulation (glass mat)
- Peak performance capacity
- For height with adapter add 7/8" (22mm)
- "Non-spillable" defined by DOT (Department of Transportation) definitions
- "Non-spillable" defined by ICAO (International Civil Aviation Organization) and IATA (International Air Transport Association) definitions
- Height without adapter
- Warranty is 12 months in deep cycle service
- Shipped with 25mm adapter
- Shipped with two (2) 17mm adapters
- Shipped with 10mm adapter
- Shipped with 22mm height adapter

BCI Group Size	TYPE	Cranking Amps at 0° F	Cranking Amps at 32° F	RC Minutes @25 Amps	Warranty Free / Total	Battery Weight (LBS.)
EXIDE[®] SELECT ORBITAL[®] SEALED VRLA (AGM) AUTOMOTIVE BATTERIES - MAINTENANCE FREE* - 84 MONTH WARRANTY - 1						
75DT	ORB75DT-84	750	850	60	40/108	38
78DT	ORB78DT-84	800	950	95	40/108	36
34	34XCD	750	935	100	18/36	41
EXIDE[®] NASCAR EXTREME[®] AUTOMOTIVE BATTERIES - MAINTENANCE FREE* - 108 MONTH WARRANTY - 12 VOLT						
27	27-E108	750	900	120	40/108	
27F	27F-E108	750	900	120	40/108	
35	35-E108	585	750	100	40/108	35
36R	36R-E108	650	800	95	40/108	
51	51-E180	510	610	70	40/108	
51R	51R-E108	510	610	70	40/108	
59	59-E108	590	710	100	40/108	
65	65-E108	750	900	160	40/108	47
75	75-E108	690	825	100	40/108	36
78	78-E108	770	950	120	40/108	
75DT	75DT-E108	690	850	100	40/108	36
78DT	78DT-E108	770	950	120	40/108	43
EXIDE[®] NASCAR SELECT[®] AUTOMOTIVE BATTERIES - MAINTENANCE FREE* - 84 MONTH WARRANTY - 12 VOLT						
24	24-84N	700	850	120	30/84	41
24F	24F-84N	700	850	120	30/84	41
25	25-84N	570	710	100	30/84	32
27	27-84N	750	890	120	30/84	43
27F	27F-84N	750	890	120	30/84	43
34	34-84N	770	950	120	30/84	44
34R	34R-84N	770	950	120	30/84	44
35	35-84N	570	710	100	30/84	32
58	58-84N	500	620	90	30/84	33
65	65-84N	750	890	130	30/84	44
75	75-84N	630	785	100	30/84	34
78	78-84N	770	950	120	30/84	42
75DT	75DT-84N	630	785	100	30/84	36
78DT	78DT-84N	770	950	120	30/84	44
EXIDE[®] PREMIUM AUTOMOTIVE BATTERIES - 60 MONTH WARRANTY - MAINTENANCE FREE* - 12 VOLT						
24	24-60	525	630	90	20/60	36
24F	24F-60	525	630	90	20/60	36
25	25-60	525	630	85	20/60	33
26	26-60	525	630	80	20/60	30
26R	26R-60	540	635	80	20/60	30
27	27-60	700	850	120	20/60	43
27F	27F-60	700	850	120	20/60	43
34	34-60	630	750	100	20/60	37
35	35-60	525	630	85	20/60	32
36R	36R-60	650	800	95	20/60	38
40R	40R-60	590	740	100	20/60	38
41	41-60	675	835	105	20/60	3
42	42-60	500	600	70	20/60	27
45	45-60	495	595	80	20/60	30
47	47-60	600	750	85	20/60	30
48	48-60	690	850	110	20/60	38
49	49-60	850	1000	140	20/60	44
51	51-60	450	540	70	20/60	27
51R	51R-60	450	540	70	20/60	27
56	56-60	580	690	90	20/60	31
58	58-60	540	675	80	20/60	32
58R	58R-60	580	700	80	20/60	32
59	59-60	590	710	100	20/60	36
64	64-60	575	725	110	20/60	40
65	65-60P	650	1000	160	20/60	46
66	66-60	650	780	130	20/60	40
70	70-60	525	630	80	20/60	29
75	75-60P	690	825	100	20/60	33
76	76-60	630	785	90	20/60	33
78	78-60	630	785	100	20/60	37
79	79-60	880	1000	140	20/60	52
85	85-60	630	785	90	20/60	34
90	86-60	630	785	90	20/60	33

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BCI Group Size	TYPE	Cranking Amps at 0° F	Cranking Amps at 32° F	RC Minutes @ 25 Amps	Warranty Free / Total	Battery Weight (LBS.)
EXIDE® PREMIUM AUTOMOTIVE BATTERIES - 60 MONTH WARRANTY - MAINTENANCE FREE* - 12 VOLT						
90	90-60	520	650	80	20/60	28
91	91-60	700	850	100	20/60	41
93	93-60	800	950	150	20/60	45
94R	94R-60	730	875	140	20/60	49
96R	96R-60	590	710	95	20/60	33
100	100-60	770	950	120	20/60	47
121R	121R-60	500	600	80	20/60	31
124R	124R-60	700	850	110	20/60	40
46A21L	MIATA-60	370	460	59	20/60	25
L2/47	L2/47-60	480	575	90	20/60	37
L3/48	L3/48-60	690	825	110	20/60	
75DT	75DT-60	525	630	85	20/60	32
78DT	78DT-60P	850	1000	120	20/60	44
78DT	78DT-60	650	800	100	20/60	38
EXIDE® STANDARD AUTOMOTIVE BATTERIES -12 VOLT						
24	24-6	450	525	80	6/6	33
24F	24F-6	450	525	80	6/6	32
26	26-6	450	525	80	6/6	28
26R	26R-6	450	525	80	6/6	28
56	56-6	450	535	75	6/6	30
58	58-6	460	540	70	6/6	30
75	75-6	525	630	85	6/6	30
75DT	75DT-6	450	550	70	6/6	30
22NF	22NF-6	390	450	70	6/6	27
29NF	29NF-6	390	450	90	6/6	44
EXIDE® AUTOMOTIVE BATTERY - 6 VOLT						
19L	19L-6	440	550	120	6/6	26
BCI Group Size	TYPE	Cranking Amps at 0° F	Cranking Amps at 32° F	RC Minutes @ 25 Amps	Warranty Free / Total	Battery Weight (LBS.)
EXIDE® RoadForce® AGM GROUP 31 BATTERIES - 24 MONTH WARRANTY - MAINTENANCE FREE* - 12VOLT						
31	XRF-31D	925	1110	200	24/24	72
	XRF-31E	925	1110	200	24/24	72
	RF-31D	700	840	200	24/24	69
	RF-31E	700	840	200	24/24	69
EXIDE® EXTREME CYCLER 200 GROUP 31 BATTERY - MAINTENANCE FREE - 24 MONTH WARRANTY -12 VOLT						
31	EXIC-200D	700	840	200	24/24	
EXIDE® GROUP 31 BATTERIES - MAINTENANCE FREE - 24 MONTH WARRANTY -12 VOLT						
31	XHP-31D	950	1100	190	24/24	57
	XHP-31E	950	1100	190	24/24	57
	HP-31D	925	1050	180	18/24	55
	HP-31E	925	1050	180	18/24	55
	HC-31D #	700	840	180	18/24	51
	HC-31E #	700	840	180	18/24	51
	COM-31D	660	800	160	18/24	50
	COM-31E	660	800	160	18/24	50
EXIDE® HEAVY DUTY COMMERCIAL & FARM BATTERIES - 24 MONTH WARRANTY - 12 VOLT						
3EE	F-3EE	370	440	100	12/24	42
3ET	F-3ET	460	550	120	12/24	47
4D	COM-4D-P	1000	1200	320	12/24	98
4DLT	F-4DLT	820	970	250	12/24	86
8D	COM-8D	1300	1560	435	12/24	125
	COM-8D (312)	1300	1560	435	12/24	125
	COM-8D (313)	1300	1560	435	12/24	125
	COM-8D (314)	1300	1560	435	12/24	125
	COM-8D-P	1155	1380	400	12/24	121
	COM-8D-P (312)	1155	1380	400	12/24	121
	COM-8D-P (313)	1155	1380	400	12/24	121
	COM-8D-P (314)	1155	1380	400	12/24	121
	COM-8D-PS	1155	1380	400	12/24	121
16TF	F-16TF	545	665	210	12/24	51
17TF	F-17TF	530	665	140	12/24	44
30H	COM-30H	700	850	180	12/24	52
EXIDE® HEAVY DUTY COMMERCIAL BATTERIES - 24 MONTH WARRANTY - 6 VOLT						
1	COM-1H-P	625	750	160	12/24	27
2	COM-2-P	625	750	150	12/24	34
2E	F-2E	600	730	180	12/24	36
3EH	F-3EH	850	1020	280	12/24	46
4	COM-4EC-P	975	1170	300	12/24	48
4EH	F-4EH	930	1110	300	12/24	51
5D	COM-5D	850	1020	280	12/24	45
7D	COM-7D	975	1170	330	12/24	58

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BCI Group Size	TYPE	Minutes @ 75 Amps to 5.25 V	RC Minutes @ 25 Amps	Warranty Free / Total	Battery Weight (LBS.)	
EXIDE® GOLF CART & ELECTRIC VEHICLE BATTERIES - DEEP CYCLE -12 MONTH WARRANTY - 6 & 8 VOLT						
GC-2	GC-145 (6v)	145	525	12/12	67	
	GC-135 (6v)	135	480	12/12	65	
	GC-110-Z (6v)	110	390	12/12	60	
	GC-110 (6v)	110	390	12/12	60	
GC-8	GC8V-110 (8v)	110 *	290	12/12	61	
EXIDE® GOLF CART STARTING BATTERY -12 MONTH WARRANTY - 12 VOLT						
26G	GC-26 (12v starting)	450 CCA	80 min RC	12/12	26	
* Minutes @ 56 amps to 7.0 volts						
BCI Group Size	TYPE	Cranking Amps at 0° F	Cranking Amps at 32° F	RC Minutes @ 25 Amps	Warranty Free / Total	Battery Weight (LBS.)
EXIDE® CUTTING EDGE® GARDEN TRACTOR, SNOWMOBILE & UTILITY BATTERIES - 6 MONTH WARRANTY - 12 VOLT						
U1	GT-X11D	350	420	38	6/6	20
	GT-X	300	360	34	6/6	16
	GT-II	235	280	25	6/6	15
	GT	165	200	17	6/6	15
U1R	GTX-R	300	360	34	6/6	16
	GT-R	235	280	25	6/6	15
BCI Group Size	TYPE	Cranking Amps at 0° F	Cranking Amps at 32° F	RC Minutes @ 25 Amps	Warranty Free / Total	Battery Weight (LBS.)
EXIDE® SELECT ORBITAL® SEALED VRLA (AGM) MARINE BATTERIES - MAINTENANCE FREE*-36 MONTH WARRANTY - 12 VOLT						
34	ORB34M-36	800	950	95	18/36	38
34	ORB34DC-36	750	935	100	18/36	41
EXIDE® MegaCycle® AGM MARINE BATTERIES -MAINTENANCE FREE*- 24 MONTH WARRANTY - 12 VOLT						
31	XMC-31	925	1110	200	24/24	72
	MC-31	700	840	200	24/24	69
EXIDE® NAUTILUS® MARINE STARTING BATTERIES - MAINTENANCE FREE*-24 MONTH WARRANTY - 12 VOLT						
24	XXHD-M-24	800	1000	115	12/24	51
	XHD-M-24	525	650	80	12/24	37
	HD-M-24	450	525	65	12/24	34
27	XXHD-M-27	800	1000	180	12/24	57
EXIDE® NAUTILUS® MARINE & RV BATTERIES - DUAL PURPOSE (MARINE STARTING & DEEP CYCLE) - 24 MONTH WARRANTY						
24	NC-24	500	625	120	12/24	44
27	NC-27	575	730	160	12/24	56
EXIDE® NAUTILUS® MARINE & RV BATTERIES - DEEP CYCLE - 24 MONTH WARRANTY - 12 VOLT						
24	NG-24	400	500	140	12/24	51
27	NG-27	500	675	182	12/24	60
31	NG-31	725	900	205	12/24	62
4D	NG-4D	600	850	250	12/24	102
8D	NG-8D	800	1200	400	12/24	136
EXIDE® NAUTILUS® MARINE HEAVY DUTY BATTERIES - COMMERCIAL GRADE - 12 MONTH WARRANTY - 8 VOLT						
1	8-1	360	430	110	12/12	30
9B4	8VM-AD	800	1000	445	12/12	80
9B5	8VM-GD	950	1200	515	12/12	143
9B1	8VM-D	650	800	305	12/12	80
BCI Group Size	TYPE	Minutes @ 75 Amps to 5.25 V	RC Minutes @ 25 Amps	Warranty Free / Total	Battery Weight (LBS.)	
EXIDE® FLOOR SCRUBBER & SWEEPER BATTERIES - DEEP CYCLE - 12 MONTH WARRANTY - 6 & 12 VOLT						
901	FS2-D (6 volt)	159	570	12/12	57	
903	FS6-D (6 volt)	225	810	12/12	88	
902	FS8-D (6 volt)	185	715	12/12	64	
921	FS12-D (12 volt)	106	396	12/12	82	
EXIDE® SPECIAL USE DEEP CYCLE AGM - 6 VOLT						
6V27	DC6V-27	-	-	6/6	-	
EXIDE® SPECIAL APPLICATION & UTILITY BATTERY - 12 VOLT						
U1	DC-9	160	200	6/6	23	
EXIDE® SPECIAL USE PREVAILER GEL VRLA - MAINTENANCE FREE*-12 VOLT						
U1	PV-U1	170	200	6/6	22	
22NF	PV-22NF	260	335	6/6	38	
24	PV-24DC	410	490	12/12	51	
27	PV-27DC	490	585	12/12	60	
31	PV-31	655	785	12/12	72	

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KING POWER SPORT PROGRAM

SuperCrank®

PART
NUMBER

REPLACES

EXIDE® SuperCrank® Extra BATTERIES 12-VOLT FACTORY ACTIVATED / FACTORY SEALED VRLA (AGM) - MAINTENANCE FREE - 6 Mo. R

SC14FA	16-BS, YB16B-A2, YB16B-A12
SC16CLBFA	Exact replacement for 16CL-B
SC20HLFA	ETX20L, or FA20L-BS, FA20HL-BS
SC30LFA	YIX30L

SuperCrank® Select

12-VOLT PREMIUM SEALED VRLA (AGM) - MAINTENANCE FREE - 6 Month Replacement FRESH PACK KIT (battery, acid, hardware, instru

4L-BS	--
5L-BS	--
7A-BS	--
7L-BS	--
9-BS	--
12-BS	--
14-BS	--
14AH-BS	14A-A2, 14A-A1, 14A-2, 14-B2
14AHL-BS	14L-A2, 14L-B2, 12N14-3A
15L-BS	--
16-BS	--
16CL-B-BS	16CL-B
16L-BS	--
18L-BS	50L-BS
20-BS	--
20CH-BS	--
20H-BS	--
20L-BS	--
20HL-BS	--
24HL-BS	18L-BS, 50-N18L-A2/3

SuperCrank®

12-VOLT HIGH PERFORMANCE FLOODED -- 6 Month Replacement FRESH PACK KIT (battery, acid, hardware, instructions)

4L-B	--
7C-A	12N/C-3D
9A-A	--
9-B	--
9L-B	--
10A-A2	--
10L-A2	--
10L-B	--
12A-A	--
12AL-A	--
12C-A	--
14-A2	--
14A-A2	14A-A1
14L-A2	--
16A-AB	--
16AL-A2	--
16-B	--
16CL-B	--
16L-B	12N16-3B
18L-A	--
50-N18L-A2	--

6-VOLT CONVENTIONAL FLOODED -- 6 Month Replacement FRESH PACK KIT (battery, acid, hardware, instructions)

6N5.5-1D	--
6N6-3B	--

12-VOLT CONVENTIONAL FLOODED -- 6 Month Replacement FRESH PACK KIT (battery, acid, hardware, instructions)

12N5-4B	--
12N5.5A-3B	--
12N7-3B	--
12N7-4A	--
12N9-4B-1	--
12N12A-1A-1	--
12N14-3A	--
HD-12	--

Part
Number

CONTENTS

MOTORCYCLE HARDWARE REPAIR KIT & BATTERY ACID

SCK-1000	Kit: Nuts, Bolts, Spacers, Vent Caps, Water Sensors
BATTERY ACID	
ACID 32 OZ	32 oz. Acid Bottle
ACID 6 QT	6 QT. Acid
ACID 5 GAL	5 GAL. Acid

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ORDER POWER SPORT PROGRAM

PRODUCT IS AVAILABLE ON A SPECIAL ORDER ONLY BASIS

JIS PART NUMBER	REPLACES	Optional Battery Substitution
12-VOLT FACTORY ACTIVATED / FACTORY SEALED VRLA (AGM) - MAINTENANCE FREE - 6 Month Replacement		
T4B-5	4B DS	
TZ/S		
T9B-4	9B-4	
TZ10S	Z10S	
TZ12S	Z12S	
6-VOLT CONVENTIONAL FLOODED -- 6 Month Replacement		
6N2-2A UNV	6N2-2A/1/2/3/4/5/6/7/8	--
6N2A-2C UNV	6N2A-2C/1/3	
6N4-2A UNV	6N4-2A/1/2/3/4/5/6/7/8	
6N4A-4D	--	
6N4B-2A UNV	6N4B-2A/1/2/3/4/5	
6N4C-1B	--	
6N5.5-1D-1	--	
6N6-1B	--	
6N6-3B-1	--	
6N6-1D	--	
6N6-1D-2	--	
6CB8L-B	--	
6N11-2D	--	
6N11A-1B	--	
6N12A-2D	--	
B39-6	--	
B49-6	--	
12-VOLT CONVENTIONAL FLOODED -- 6 Month Replacement		
12N5.5-3B	--	--
12N5.5-4A	--	--
12N7-4B	--	--
12N9-3A	--	--
12N11-3A-1	--	--
12N12-3B	--	--
12N24-3	--	--
12N24-3A	--	--
2.5L-C	--	--
2.5L-C-1	--	--
12-VOLT HIGH PERFORMANCE FLOODED -- 6 Month Replacement		
3L-A	--	--
3L-B	--	--
4L-A	--	--
5L-B	12N5-3B	--
7-A	12N/-4A	--
7L-B	12N7-3D	--
9L-A2	12N9-3A-1	--
10L-B2	--	10L-B
12A-B	--	--
12B-B2	--	--
14L-A1	--	14L-A2
14-B2	--	--
14L-B2	--	--
16B-A	--	--
16B-A1	--	--
16C-B	--	--
16HL-A-LM	16HL-A-CX	16L-B5
18-A	--	20-B5
50-N18A-A	--	18L-B5
50-N18L-A1	--	18L-B5
50-N18L-A-LM	50N18L-A-CX	18L-B5
60-N24-A	60-N24-3	--
60-N24AL-B	--	--
60-N24L-A	--	--

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Item Avail-ability	J.I.S Battery Type	REPLACES	POST TYPE	CCA at 0° F
12-VOLT JIS FARM, AUTO, TRUCK, GARDEN TRACTOR, GENERATORS, FORKLIFT -- 6 Month Replacement				
Stock Item	NS40Z (S)	38B20R (S), 32B20R (S), NS40 (S)	SAE Post	330
Stock Item	NS40Z	38B20R, 32B20R, NS40	Pencil Post	330
Stock Item	NS40ZL (S)	38B20L (S), 32B20L (S), NS40L (S)	SAE Post	330
Stock Item	NS40ZL	38B20L, 32B20L, NS40L	Pencil Post	330
SO	N50	55D26L, 48D26L, N50	SAE Post	365
Stock Item	NS60L (S)	55B24L (S)	SAE Post	350
Stock Item	N120	115F51		638
Stock Item	NS150	145F51	SAE Post	754
SO	N200	190H52	SAE Post	924

BCI Group Size	Type	Volts	Amp Hour Capacity (20 Hr)	Overall Dimensions Inches		
				Length	Width	Height
EXIDE® POWERFIT® BATTERIES - RECHARGEABLE SEALED LEAD-ACID BATTERIES - 12 MONTH FREE REPLACEMENT						
	ES4-6	6	4.0	2-3/4	1-7/8	4
	ES5-6LF	6	5.0	2-5/8	2-5/8	3-3/4
	ES7-6	6	7.0	1-15/16	1-5/16	3-11/16
	ES8-6A	6	8.0	3-7/8	2-1/4	4-5/8
	ES9.5-6TH	6	9.5	4-1/4	2-13/16	5-9/16
	ES10-6	6	10.0	5-15/16	1-15/16	3-11/16
	ES12-6	6	12.0	4-1/4	2-13/16	5-9/16
	ES30-6	6	36.0	6-5/16	3-7/16	6-3/8
	ES1.2-12	12	1.2	3-13/16	1-11/16	2
	ES2-12	12	2.0	7	1-5/16	2-3/8
	ES2-12A	12	2.0	5-7/8	13-16	3-1/2
	ES3-12	12	3.0	5-1/4	2-5/8	2-3/8
	ES4.5-12	12	4.5	3-9/16	2-3/4	4
	ES4.5-12WL	12	4.5	3-9/16	2-3/4	4
	ES7-12	12	7.0	5-15/16	2-0/16	3-9/16
	ES7.5-12	12	7.5	5-15/16	2-9/16	3-9/16
	ES12-12	12	12.0	5-15/16	3-3/4	3-9/16
	ES18-12	12	18.0	7-1/8	3	6-9/16
	ES26-12	12	26.0	6-7/8	6-9/16	4-15/16
U1	ESU1-35	12	35.0	7-11/16	5-1/8	6-1/8
U1	ESU1-35A	12	35.0	7-11/16	5-1/8	6-1/8
	ES40-12	12	40.0	7-3/4	6-1/2	6-11/16
22NF	ES22NF	12	55.0	9	5-7/16	8
24	ES24	12	65.0	10-1/8	6-9/16	8-1/8
27	ES27	12	100.0	12-1/16	6-9/16	8-1/8

SEALED VRLA (GEL) BATTERIES

BCI Group Size	Type	Volts	Amp Hour Capacity (20 Hr)	CA AT 32° F	Overall Dimensions	
					Length	Inches Width
EXIDE® DRYFIT® - SEALED VRLA (GEL) BATTERIES - 12/24 MONTH WARRANTY						
U1	DF45	12	31	175	7-3/4	5-3/16
41	DF75	12	36	230	8-1/4	6-7/8
40R	DF115	12	55	360	10-15/16	6-7/8
49	DF150	12	63	360	15	6-7/8
30H	DF180	12	80	500	13	6-3/4
4DLT	DF4DLT	12	120	760	20-1/4	7-7/16
4D	DF4D	12	140	920	20-1/4	8-3/4
8D	DF8D	12	200	1100	20-3/8	11-7/16
GCH	DF6V160	6	180	1000	9-5/8	7-1/2

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